TEXAS OIL & GAS CORP.
1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

September 12, 1980

Mr. Jack Feit
Utah Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: Application for Permit to Drill
Moxa Federal #1
Section 9-T16S-R26E
Grand County, Utah

Dear Mr. Feit:

Enclosed please find an Application for Permit to Drill, a 10-point plan, location plat and BOP Schematic for the well referenced above.

Texas Oil & Gas Corp. requests a topographical exception to the spacing requirement of 2500' between wells. The proposed location of the Moxa Federal #1 will place it 2131' from the location of a well located in Section 16, the Tenneco 4 State.

After evaluating the terrain in Section 9, two sites were chosen for the proposed well. These sites would minimize the cuts required to construct the locations thus minimizing the subsequent environmental damage. Also, these sites were deemed most acceptable to the Bureau of Land Management. Of the two locations, the one selected was the greatest distance from the Tenneco well.

We hope to spud the well by October 1, 1980, therefore, we request a prompt response to this application. If you should have any questions, please do not hesitate to contact me. Thank you.

Very truly yours,

TEXAS OIL & GAS CORP.

Scott McGlochlin

Scott McGlochlin
Safety & Environmental
Administrator

SM/ck

enclosure

Form 9-331 C
(May 1963)

SUBMIT IN [illegible]LICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Nationwide Bond No. 199-32-08

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Texas Oil & Gas Corp.

3. ADDRESS OF OPERATOR: 1800 Lincoln Center Building, Denver, CO 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 727' FWL, 1519' FSL, Section 9-T16S-R26E
At proposed prod. zone: NW SW directionally drilled to 22' FSL & 414' FWL

5. LEASE DESIGNATION AND SERIAL NO.: U-24638

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: ---

7. UNIT AGREEMENT NAME: ---

8. FARM OR LEASE NAME: Moxa Federal

9. WELL NO.: #1

10. FIELD AND POOL, OR WILDCAT: Undesignated ~~San Arroyo Field~~

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 9-T16S-R26E

12. COUNTY OR PARISH: Grand

13. STATE: Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 18 miles NW of Mack, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 727'

16. NO. OF ACRES IN LEASE: 1874.24

17. NO. OF ACRES ASSIGNED TO THIS WELL: 297.76

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: ---

19. PROPOSED DEPTH: 5325' Morrison

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 6387' GR

22. APPROX. DATE WORK WILL START*: October 1, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	16"	Conductor	40'	2.5 yards
12¼"	9 5/8"	36# K-55 new	300'	200 sxs cement to surface
6½"	4½"	11.6# N-80 new	5325'	250 sxs

If warranted, an intermediate string will be set 200' into the Mancos Shale (1650').

8 3/4"	7"	20# K-55 new	1650'	200 sxs

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
DATE: 9-17-80
BY: M. J. Minder

RECEIVED
SEP 15 1980
DIVISION OF OIL, GAS, & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED L. A. Varela Ph(303) 861-4246 Varela TITLE Drilling & Prod. Manager DATE September 12, 1980

(This space for Federal or State office use)

PERMIT NO. 43-019-30698 APPROVAL DATE 9/17/80

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

** FILE NOTATIONS **

DATE: September 16, 1980

OPERATOR: Texas Oil & Gas Corporation

WELL NO: Mofa Federal #1

Location: Sec. 9 T. 16S R. 26E County: Grand

File Prepared: ✓ Entered on N.I.D: ✓

Card Indexed: ✓ Completion Sheet: ✓

API Number 43-019-30698

CHECKED BY:

Petroleum Engineer: M. J. Minder 9-17-80

Director:

Administrative Aide: ok per spacing order - topo exception as per order

APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. 107-1 2/11/65 O.K. Rule C-3

#3 Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation Fed Plotted on Map ✓

Approval Letter Written ✓

Hot Line ✓ P.I. ✓

September 17, 1980

Texas Oil and Gas Corporation
1800 Lincoln Center Building
Denver, Colorado 80264

Re: Well No. Moxa Federal #1
Sec. 9, T. 16S, R. 26E.,
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 107-1 dated February 11, 1965.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30698.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder,
Petroleum Engineer

/btm
cc: USGS

TEXAS OIL & GAS CORP.
1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

December 16, 1980

Mr. Jack Feit
Utah Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: Application for Permit to Drill
Moxa Federal #1
Section 9-T16S-R26E
Grand County, Utah

Dear Mr. Feit:

Texas Oil & Gas Corp. requests permission to drill and complete the well referenced above. Enclosed for your review is an Application for Permit to drill, BOP schematic, location plat, 10-point plan and a location plat of wells in the area.

The wellhead will be located 22' FSL, 414' FWL, Section 9-T16S-R26E and the target is a circular zone, having a 500' radius, centered at 2200' FSL, 1000' FWL, in Section 9. The location was moved from the staked location of 57' FSL, 410' FWL, Section 9 (see plat) by the BLM and USGS.

The well was originally staked on a ridge top, 1519' FSL, 724' FWL, Section 9-T16S-R26E, with vertical drilling planned. However, the USGS and BLM vigorously objected to the location because of the route of the access road and the substantial cuts and fills needed to construct the road. Therefore, to obtain approval from these agencies to drill the well, it was necessary to move the wellhead site from the ridge to the present location and directionally drill.

The site selected for the well pad meets with the approval of the USGS and BLM. Cottonwood Canyon is narrow with steep sides and has several drainages. Because of this, there were limited sites for well pads. It was determined that the selected location will have the least amount of cuts and fills and will have minimum impact on the drainages in the canyon.

If you have any questions, please contact me at this office. Thank you.

Very truly yours,

TEXAS OIL & GAS CORP.

Scott McGlochlin
Environmental Administrator

SM/bs
Enclosures/as stated

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

Nationwide Bond No. 199-32-08

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-24638

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: ---

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME: ---

8. FARM OR LEASE NAME: Moxa Federal

2. NAME OF OPERATOR: Texas Oil & Gas Corp.

9. WELL NO.: #1

3. ADDRESS OF OPERATOR: 1800 Lincoln Center Building, Denver, Colorado 80264

10. FIELD AND POOL, OR WILDCAT: San Arroyo Field

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface 22' FSL and 414' FWL, Section 9-T16S-R26E
Initial Objective: 2000' FSL and 920' FWL, Sec. 9-T16S-R26E
At proposed prod. zone TD Objective: 2200' FSL and 1000' FWL, S9-16S-26E
(Target radius of 500' around TD objective)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 9-T16S-R26E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 18 miles NW of Mack, Colorado (NW SW)

12. COUNTY OR PARISH: Grand — 13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 920' Initial Object. / 1000' TD Obj.

16. NO. OF ACRES IN LEASE: 1874.24

17. NO. OF ACRES ASSIGNED TO THIS WELL: 297.76

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: ---

19. PROPOSED DEPTH: 5420' MD / 4850' TVD (MORRISON)

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5778' GR at surface location

22. APPROX. DATE WORK WILL START*: January 1, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	16"	Conductor	40'	2.5 yards
12 1/4"	10 3/4"	40.5# K-55 new	300'	200 sacks
9 7/8"	7 5/8"	29.7# N-80 new	1850' MD (1760' TVD)	300 sacks
6 1/2"	4 1/2"	11.6# N-80 new	5420' MD (4850' TVD)	250 sacks

Texas Oil & Gas Corp. proposes to directionally drill well using a build rate of 2.00 degrees/100' in accordance with the following table:

	TVD	Deviation	Angle	MD
Kickoff Depth at	300'	0	0.00	300
Angle Established at	1753	396	30.47	1824
Initial Objective at	4600	2071	30.47	5127
Total Depth at	4850	2218	30.47	5417

RECEIVED
DEC 15 1980
DIVISION OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED L. A. Varela TITLE Drilling & Production Mgr. DATE 12/17/80

(This space for Federal or State office use)

PERMIT NO. 43-049-30698 APPROVAL DATE ---

APPROVED BY --- TITLE --- DATE ---

CONDITIONS OF APPROVAL, IF ANY:

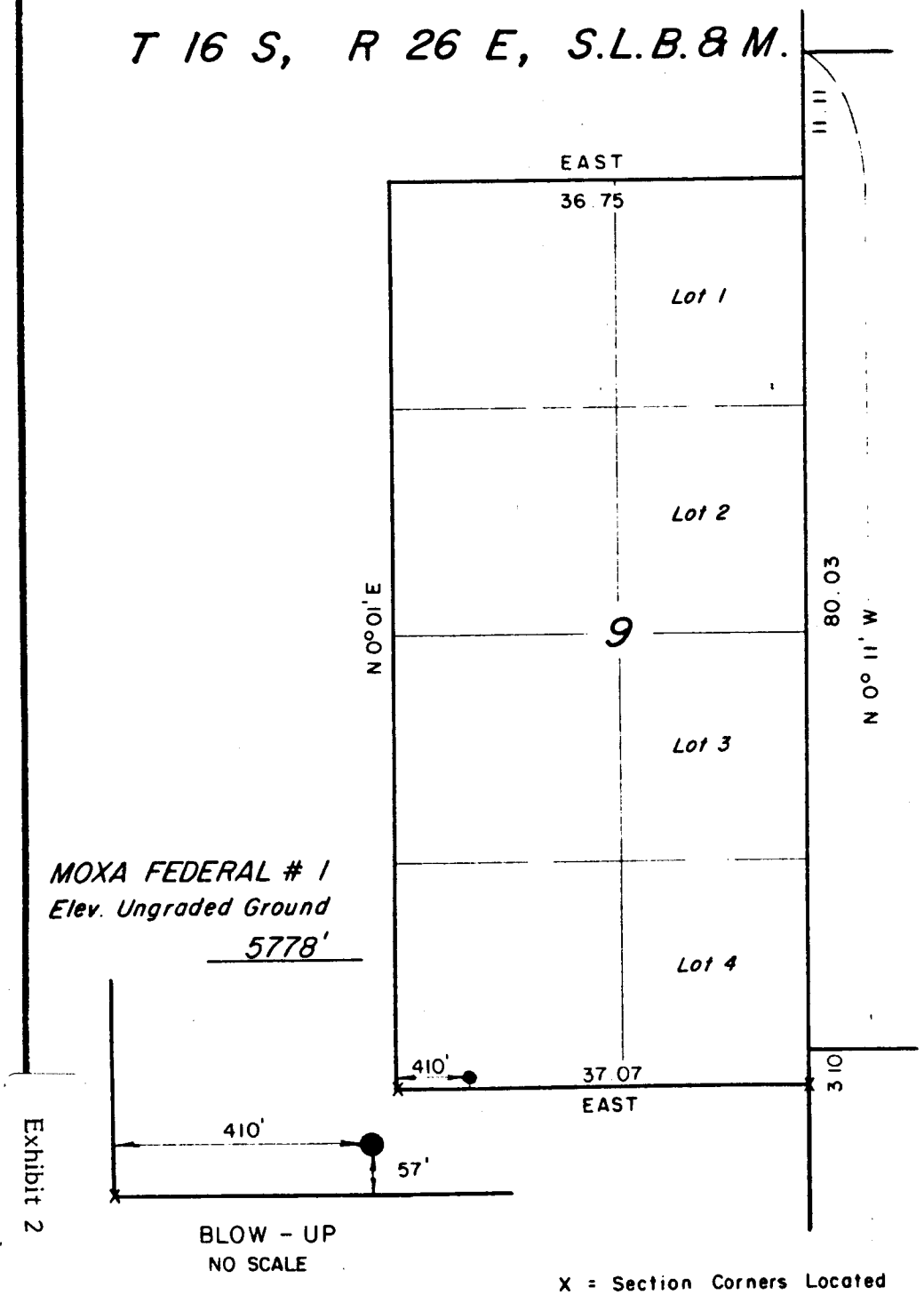
APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
DATE: 12/10/80
BY: CB Feight

*See Instructions On Reverse Side

PROJECT

TEXAS OIL & GAS CORP

Well location, *MOXA FEDERAL # 1*, located as shown in the SW 1/4 Section 9, T 16 S, R 26 E, S.L.B. & M. Grand County, Utah.



RECEIVED

DEC 15 1980

DIVISION OF
OIL, GAS & MINING

CERTIFICATE

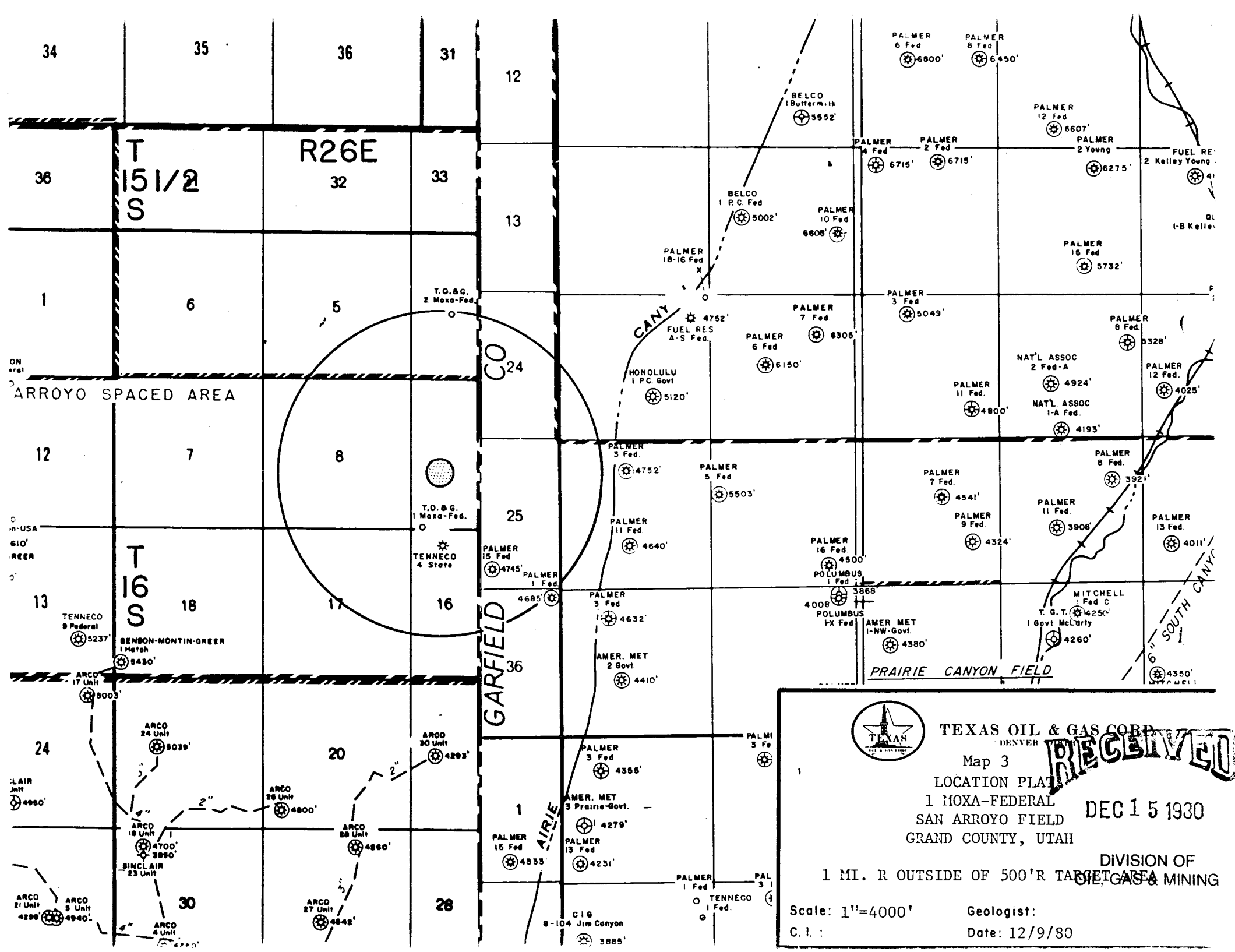
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 3154
STATE OF UTAH

Exhibit 2

UINTAH ENGINEERING & LAND SURVEYING
P O BOX Q — 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 2000'	DATE 12 / 6 / 80
PARTY M.S. K.H. BFW	REFERENCES GLO Plat
WEATHER Cold	FILE TEXAS OIL & GAS


T 15 1/2 S
R26E
T 16 S
ARROYO SPACED AREA
T.O.&G. 2 Moxa-Fed.
T.O.&G. 1 Moxa-Fed.
TENNECO 4 State
CO 24
GARFIELD 36
CANY
AIRIE
6" SOUTH CANY
PRAIRIE CANYON FIELD
BELCO 1 Buttermilk 5552'
BELCO 1 P.C. Fed 5002'
PALMER 18-16 Fed X
PALMER 10 Fed 6606'
PALMER 6 Fed 6800'
PALMER 8 Fed 6450'
PALMER 12 Fed. 6607'
PALMER 4 Fed 6715'
PALMER 2 Fed 6715'
PALMER 2 Young 6275'
FUEL RES 2 Kelley Young
PALMER 15 Fed 5732'
PALMER 3 Fed 5049'
PALMER 7 Fed. 6305'
PALMER 6 Fed. 6150'
FUEL RES A-5 Fed. 4752'
HONOLULU 1 P.C. Govt 5120'
PALMER 8 Fed. 5328'
NAT'L ASSOC 2 Fed-A 4924'
PALMER 12 Fed. 4025'
PALMER 11 Fed. 4800'
NAT'L ASSOC 1-A Fed. 4193'
PALMER 3 Fed. 4752'
PALMER 5 Fed 5503'
PALMER 11 Fed. 4640'
PALMER 15 Fed 4745'
PALMER 1 Fed. 4685'
PALMER 8 Fed. 3921'
PALMER 7 Fed. 4541'
PALMER 9 Fed. 4324'
PALMER 11 Fed. 3908'
PALMER 13 Fed. 4011'
PALMER 16 Fed. 4500'
POLUMBUS 1 Fed 3868
4008 POLUMBUS 1-X Fed
AMER MET 1-NW-Govt. 4380'
MITCHELL 1 Fed C
T. G. T. 4250'
1 Govt McLarty 4260'
PALMER 3 Fed 4632'
AMER. MET 2 Govt. 4410'
4350'
TENNECO 9 Federal 5237'
BENSON-MONTIN-GREER 1 Hatch 5430'
ARCO 17 Unit 5003'
ARCO 24 Unit 5039'
ARCO 30 Unit 4293'
ARCO 26 Unit 4800'
ARCO 18 Unit 4700' 3980'
SINCLAIR 23 Unit
ARCO 28 Unit 4860'
ARCO 21 Unit 4299'
ARCO 5 Unit 4940'
ARCO 4 Unit
ARCO 27 Unit 4848'
PALMER 3 Fed 4355'
AMER. MET 3 Prairie-Govt. 4279'
PALMER 15 Fed 4333'
PALMER 13 Fed 4231'
PALMER 1 Fed
TENNECO 1 Fed.
C I G 8-104 Jim Canyon 3885'
TEXAS OIL & GAS CORP.
DENVER
Map 3
LOCATION PLAT
1 MOXA-FEDERAL
SAN ARROYO FIELD
GRAND COUNTY, UTAH
1 MI. R OUTSIDE OF 500'R TARGET AREA
Scale: 1"=4000'
C. I. :
Geologist:
Date: 12/9/80
RECEIVED
DEC 15 1980
DIVISION OF
OIL, GAS & MINING

Oil and Gas Drilling

EA No. 200-81

United States Department of the Interior
Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

USUAL ENVIRONMENTAL ASSESSMENT

Date December 24, 1980

Operator Texas Oil & Gas Corporation Well No. Moxa Federal No. 1

Location 414' FWL, 22' FSL Section 9 Township 16S Range 26E

County Grand State Utah Field/Unit Prairie Canyon

Lease No. U-24638 Permit No.

Prepared by: Glenn M. Doyle
Environmental Scientist
Grand Junction, Colorado

Joint Field Inspection Date: December 10, 1980

Field Inspection Participants, Titles, and Organizations:

Glenn Doyle	U. S. Geological Survey
Elmer Duncan	Bureau of Land Management
Paul Urban	Texas Oil & Gas Corporation
Typing In: 12/31	
Out: 1/2/81	

Related Environmental Documents:

See Bibliography

Introduction:

On September 16, 1980, the Salt Lake City District Oil and Gas Office received an Application for Permit to Drill from the Texas Oil and Gas Corporation for the Moxa Federal #1 development gas well.

Upon reviewing the APD, it was determined that some serious safety and environmental concerns would result from the implementation of this action, as proposed. The memorandum and pertinent attachments found in Appendix III describe the situation.

Several phone conversations plus three separate conference calls conducted on December 1 and 3 resulted in Texas Oil and Gas choosing to directionally drill the well from the SW/4 SW/4, Sec. 9, T16S, R26E, Grand County, Utah. The following environmental assessment addresses this alternative.

Description of Proposed Action:

Texas Oil and Gas Corporation plans to directionally drill a well from the SW/4 SW/4, Sec. 9, T16S, R26E, Grand County, Utah. The proposed plan addresses both the subsurface and surface use operations, including environmental mitigation measures, and is incorporated herein by reference as Appendix I.

Surface Ownership:

Location: Surface ownership is approximately 50% public, administered by BLM-Moab, and 50% State of Utah.

Access: Existing access crosses private land in the SW corner of Sec. 31, T7S, R105W, Garfield County, Colorado. A private surface agreement between the operator and the private surface owner would be required for this stretch of road. A portion of the existing access also crosses State of Utah lands in Sec. 16, T16S, R26E, Grand County, Utah. The operator must acquire a right-of-way from the state prior to constructing the proposed new access. The operator has made application with the state.

Status of Reclamation Agreements:

Currently, the operator does not have a private surface agreement for the stretch of existing road which crosses private surface. An agreement should be submitted to the USGS prior to approval of this APD.

The State of Utah should provide any reclamation stipulations in their approval of the right-of-way application for the new access.

Dates:

APD Filed:	December 17, 1980
APD Technically Complete:	December 18, 1980
APD Administratively Complete:	

Project Time Frame:

Starting Date: January 1981

Duration of drilling activities: Thirty days. This may be considerably changed if any complications result from directionally drilling the well.

Related Actions of Other Federal or State Agencies and Indian Tribes:

Prior to approval of this APD, the operator must acquire a right-of-way grant from the State of Utah to construct the new road.

Nearby Pending Actions Which May Affect or be Affected by the Proposed Action:

No known actions are pending in this area.

Status of Variance Requests:

The wellsite is located partially on federal lands and partially on state lands. According to the operator (telecon with Charles Curlee, 12/9/80), the State of Utah will not require a variance for the location because the target formation is well beyond the state's spacing boundary.

Environmental Considerations of the Proposed Action:

Regional Setting/Topography - The location lies on a steeply south-sloping tallus slope above the main Cottonwood Canyon drainage. The elevation at the location (ungraded) is 5778'. Regional topography is characterized by flat-topped plateaus bounded by vertical cliffsides which grade into steep talus slopes deeply dissected by ephemeral drainages.

Parameter:

Geology - A stratigraphic column (Figure 1) representing the names, ages, and general relationships of the relevant geologic formations is found on the following page. The expected tops of the geologic formations of interest are discussed in the 10-Point Subsurface Plan of Appendix I.

Other Local Mineral Resources to be Protected:

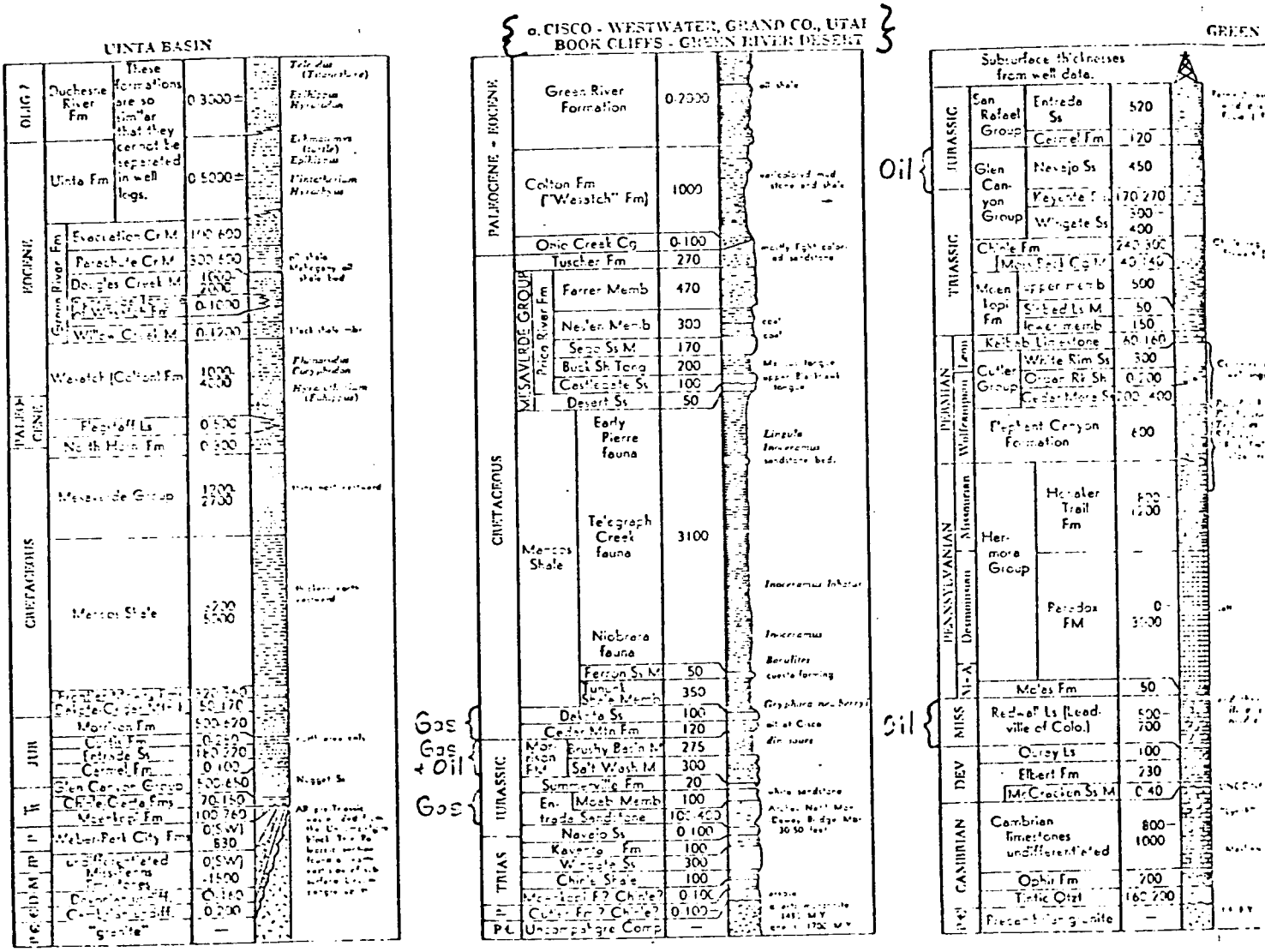
The District Geologist, USGS, Salt Lake City, reports that coal may occur in the Price River and Castlegate Formations, the site is located within the Sego Coal Field, and oil shale may be encountered. This report requires that the operator log the top 2000' for an oil shale study and that a log of cuttings through the coal interval (0 - 1450') should be provided. The Mining Supervisor specifies that the coal logs be either resistivity, density, Gamma-Ray, or other appropriate electric logs.

Geologic Hazards:

Land Stability - Since the location would be constructed on steep talus material and the SW corner of the wellpad would temporarily block the main drainage, land stability could be a problem. During construction, all fill

FIGURE NO. 1.

Selected Stratigraphic Sections



areas need to be compacted and stabilized. On the SW corner, large rocks will be utilized as base material for fill in order to accommodate minor drainage. Fill slopes in the drainage will be riprapped to reduce erosion.

Subsidence - Subsidence may occur anytime that fluids (oil, gas, water, etc.) are extracted from the subsurface (Keller, 1976). The nature of the formations involved, as defined by their permeabilities, porosities, and compaction characteristics, will determine whether or not subsidence will occur. No specific data on this subject is available. Therefore, the only conclusion to be drawn is that the possibility exists for subsidence to occur as a result of drilling this well.

Seismicity - No known, active fault zones are located within the vicinity of the wellsite. Algermissen and Perkins (1977) categorize the southern Utah region as one of minor seismic risk.

High Pressure Zones/Blowout Prevention - The operator anticipates no high pressure zones (See Appendix I). Blowout prevention equipment has been reviewed by the staff engineers of the District Oil and Gas Office and deemed to be adequate for this type of well in this area.

Soils:

A description of the soil character is found in the Oil and Gas Leasing EAR which was prepared prior to the leasing of oil and gas in this area. This description is incorporated herein by reference.

Erosion and sedimentation could be significant at this location. However, the weather factor is considered to be the major determinant in this situation. Provided the well is drilled during the winter, as is expected, no significant runoff or thundershower activity is likely to occur. There is a possibility that there could be a significant change in the local weather pattern, i.e., a heat wave, which could trigger premature melting of existing snow and resulting runoff. Since thunderstorms are common to this area almost exclusively during the late summer season, the possibility of significant erosion/sedimentation and safety hazards due to the drilling of this well during the winter is considered small.

Additionally, since the SW corner of the wellpad will temporarily block the main Cottonwood Canyon drainage, the proposed plan includes the stabilization of this area with large boulders under the fill and riprap along the fill slopes. The operator has agreed to clear this drainage as soon as the drilling rig moves off the location and prior to or during the completion stage of the well. Also, the operator agrees to be in close contact with the dirt contractor who can, in an emergency storm situation, be at the location with earthmoving equipment to open the stream channel to allow adequate drainage and further stabilization of the wellpad. This should prevent the accidental acceleration of erosion/sedimentation while simultaneously providing adequate safety for men and equipment.

Air Quality:

The State of Utah classifies the Bookcliff Area as Class II. This classification allows for minerals development and other activities while at the same

time providing regulations for the prevention of significant deterioration (PSD) to nearby areas of better air quality. There are no Class I airspace areas adjacent to or nearby the area of the proposed action.

Local air quality would suffer degradation on a temporary, limited basis due to:

1) Exhaust from the drilling rig engines,
2) Exhaust from vehicular travel to and from the site by rig crews, service crews and inspectors,
3) Fugitive dust resulting from traffic on the access road, and
4) Dust originating from the end of the blooie line.

Fugitive dust produced during the air drilling phase will be suppressed by spraying water from a nozzle into the blooie line. This is a relatively effective method of controlling a point source of fugitive dust. If dry conditions exist, water will be sprinkled on the access roads in order to reduce fugitive dust emissions associated with traffic.

Noise:

Ambient (background) noise levels at the proposed wellsite are low. The majority of this is associated with cattle grazing, wildlife movement and communication, occasional four-wheel drive vehicles, and horseback riders.

Significant noise levels would be generated by drilling engines, diesel generators, compressors, pumps, motor vehicles, and, if used, aircraft. Decibel levels would probably be similar to those described in Table I, (Cache Creek EA). This table serves as a general guide only. Table II, (Argonne National Labs, 1973), outlines noise levels of common sources in dbA and compares them to relative loudness and their subjective impressions, i.e., loud, very loud, etc.

As is evident from Table I, rig noise levels range from 80 to 103 dbA. Using Table II, the subjective impression ranges from above moderately loud to very loud.

Effects of Rig Noise on Wildlife and Personnel:

The Argonne National Laboratory (1973) found in its study of noise that impacts due to noise can be divided into two categories: physiological and psychological.

Physiological impacts were found to be cumulative due not only to the levels but also to the duration and number of exposures (Argonne N.L., 1973). Noise affects the circulatory system by causing vaso-constriction, hypertension, and frequent capillary spasms, among other impairments. Excessive noise can degenerate auditory neurons, as well as other inner ear components, none of which can regenerate. Other research relates noise with diseases such as colitis, migraine headaches, and nervous disorders.

Rig personnel are the most likely of any persons to be significantly impacted physiologically because of the long periods of exposure (average rig shift is 12 hours) and the levels (80 - 103 dbA). Recreationists seldom frequent the area; however, if they did, their exposure would probably be of short duration

Table I

$$\frac{N_1 (1.25)^2}{N_2} = \frac{D_2^2}{D_1^2}$$

where N_1 = noise level at distance D_1

and N_2 = noise level at distance D_2.

Data are tabulated below:

Location	Sound Level, dbA
Top of doghouse steps	82
Door from doghouse to rig floor	100
Rig floor	92
In front of engines	103
At bottom of steps below V door	86
At end of catwalk, V door closed	80
At end of catwalk, V door open	82
At light plant	102
At standby pump	91
1000' north of rig	68
1000' west of rig	64
100' south of rig	64
Calculated "whisper" level, 2061' from rig	25

For comparative purposes, the values of some familiar sounds are tabulated:

	dbA
Painful sounds	130–140
Jet engine airplane	140
Piston engine airplane	120
Thunder	80–110
Heavy traffic	80
Conversation	65–75
Low street noise	40

Table II SOURCES OF URBAN NOISE[60]
(Noise Levels Given in dBA)

dB(A) Ref.: 0.0002 μbar	SUBJECTIVE IMPRESSION	COMMUNITY (Outdoor)	HOME OR INDUSTRY (Indoor)	RELATIVE LOUDNESS (Human Judgment of Different Sound Levels)
130		Military Jet Aircraft Take-off With After-Burner From Aircraft Carrier @ 50 ft (130)	Oxygen Torch (121)	32 Times as Loud
120	Uncomfortably Loud			
110		Turbo-Fan Aircraft @ Take-off Power @ 200 ft (118)	Riveting Machine (110) Rock-N-Roll Band (108)-114)	16 Times as Loud
100	Very Loud	Jet Flyover @ 1000 ft (103) Boeing 707, DC-8 @ 6080 ft Before Landing (106) Bell J-2A Helicopter @ 100 ft (100)		8 Times as Loud
90		Power Mower (96) Boeing 737, DC-9 @ 6080 ft Before Landing (97), Motorcycle @ 25 ft (90)	Newspaper Press (97)	4 Times as Loud
80		Car Wash @ 20 ft (89) Prop. Plane Flyover @ 1000 ft (88), Diesel Truck, 40 mph @ 30 ft (84), Diesel Train, 45 mph @ 100 ft (83)	Food Blender (88) Milling Machine (85) Garbage Disposal (80)	2 Times as Loud
70	Moderately Loud	High Urban Ambient Sound (80), Passenger Car, 65 mph @ 25 ft (77), Freeway @ 50 ft from Pavement Edge, 10 AM (76±6)	Living Room Music (76) TV-Audio, Vacuum Cleaner (70)	REFERENCE LOUDNESS 70 dBA
60		Air Conditioning Unit @ 100 ft (60)	Cash Register @ 10 ft (65-70), Electric Typewriter @ 10 ft (64). Dishwasher (Rinse) @ 10 ft (60) Conversation (60)	1/2 as Loud
50	Quiet	Large Transformers @ 100 ft (50)		1/4 as Loud
40		Bird Calls (44), Lower Urban Ambient Sound (40)		1/8 as Loud

and not within close proximity of the rig. Estimated dbA levels affecting recreationists who stop would be 75 - 95 dbA.

Research (Argonne N.L., 1973) indicates that wildlife may be affected by noise by:

1) Interfering with reproductive processes,
2) Interrupting animal communication, and
3) Possibly interfering with viral disease resistance.

Exposure levels in the wild are considered too low to cause damage (Argonne N.L., 1973); however, significant noise levels would be introduced to local fauna with the drilling of this well, possibly causing the reported physiological changes. It is expected that minor physiological damage would occur to local wildlife because they likely would migrate away from the wellsite until levels of tolerance were achieved. An exception to this might be burrowing rodents, as research shows that laboratory rodents can successfully adapt to noise provided it is not associated with other stressful conditions (Argonne N.L., 1973).

The most relevant psychological effects from noise to rig personnel involve task interference. "When a task requires an auditory signal (and a response), any noise that is intense enough to mask or interrupt the signal will interfere with the performance or completion of the task." (Argonne N.L., 1973) Steady noise above 90 dbA can cause task interference. Random, unanticipated bursts are found to be more disruptive than steady noise, even at levels below 90 dbA. Also, high frequencies (1000 - 2000 hertz) can produce more task interference than do low frequencies (Argonne N.L., 1973). Results of studies show that accuracy will be reduced more than volume of work output.

Reduced accuracy of rig personnel performance due to the expected noise levels could result in serious injuries. Personnel need to be aware at all times of hazards which may be masked by the intensity of rig noise. This is also true for any recreationists who may venture close to the rig equipment.

Water Resources:

Surface Waters - No perennial streams are within close proximity of the location. The main, nonperennial Cottonwood Canyon drainage drains a large watershed area and, during spring runoff and thundershower activity, is capable of carrying large volumes of surface flow.

Effects to this channel would include: Temporary blockage by rocks, boulders, soils by the SW corner of the wellpad; temporary blockage of a steeply-sloping feeder drainage by the east edge of the wellpad; increases in source material for erosion/sedimentation due to soil breakdown during access and wellpad construction; potential for surface water degradation due to losses of drilling and/or other harmful substances or fluids from the wellpad or reserve pit.

Measures designed to mitigate these effects are specified in section 9.A. of the APD and the recommended mitigation measures section of this environmental assessment.

Groundwaters - Usable water may be found throughout the Mesaverde Sandstone according to the District Geologist's report. The drilling and

casing program submitted by the operator is designed to prevent contamination of groundwaters; nonetheless, the potential for pollution exists.

Contamination to potentially fresh goundwaters may occur through the comingling with drilling chemicals, i.e., salts and acids; interaquifer leakage via the wellbore; leaching of potentially harmful chemicals from the reserve pit into subsurface water systems; and the migration of coliform bacteria from uncontained toilet facilities into groundwater systems through leaching.

Surface Water Quality - No known data on surface runoff quality exists. Generally speaking, the surface water contains high concentrations of dissolved solids, making the water suitable for watering of stock but not for domestic supplies. There are some springs in the general area which serve as water supplies for stock; however, none of these are within close proximity to this well location. Stockponds designed to capture surface runoff may also occur in this area, although none were observed.

Groundwater Quality - Existing drilling logs from other oil and gas wells may provide limited data concerning the quality of groundwaters in this area. This information is not currently available to this writer. Additionally, the value of these logs could be readily questioned with regard to the manner in which the water quality data was collected. Clearly, there is a need to obtain more accurate data in this area.

Endangered and Threatened Species Determination - Flora and Fauna:

Based on the formal comments received from the Bureau of Land Management-Moab on December 23, 1980, we determine that there would be no effect on endangered and threatened species and/or their critical habitat.

Flora - A general description of plant species in this region is found in the Oil and Gas Leasing EAR and is incorporated herein by reference.

Adverse effects to the local flora would include: Denuding the landscape of approximately 3.1 acres, destroying potential wildlife habitats and food sources, increasing the source-acreage for fugitive dust, and reducing the organic and chemical ingredients necessary for successful revegetation and soil stabilization.

The location appears to have little available topsoil. In the event that successful rehabilitation and revegetation cannot be achieved with the available stockpiled topsoil stripped from the site, the BLM may require the operator to supplement it with extra topsoil obtained from another source.

Fauna - A general description of animal species in this region is found in the Oil and Gas Leasing EAR and is incorporated herein by reference.

Adverse effects to the local wildlife of the area would include: Destruction of potential food sources and habitat and the modification of physiological and psychological behavior resulting from noise (see section on Noise).

Land Uses:

The predominant land use in the surrounding area is oil and gas exploration and production. Grazing of cattle in the spring and summer also occurs as does seasonal recreation, such as hunting.

The drilling of this development well is consistent with the prevailing land uses and should not significantly alter any pre-established patterns. The area to the north and west had previously been considered as having potentially significant wilderness characteristics, but was dropped from consideration as a result of the BLM's wilderness review process.

Affected Floodplains and/or Wetlands:

Although there is potential for occasional flash flooding during severe thunderstorm activity, this is almost exclusively restricted to the late summer season. Additionally, this area and all of the surrounding areas are subject to an arid desert climate with the closest wetlands being located several miles to the SE along the Colorado River.

This location, therefore, is not considered to be in a floodplain. Nevertheless, measures have been taken to protect the wellpad and access road from damage should an unexpected high-volume flash flood occur. These measures are discussed in the Soils and the Recommended Mitigation Measures sections of this report.

Aesthetics:

Minor distractions from aesthetics would occur over the lifetime of the project. All permanent facilities placed on the location would be painted a color designed to blend in with the natural environment.

Socioeconomics and Land Use:

The predominant land uses in both the immediate area and the surrounding region are oil and gas exploration/production and grazing. Access is mainly provided by maintained dirt roads and some primitive trails.

Effects from this one well on the land use patterns and socioeconomics of the local and regional environment are considered minor. The construction company, drilling contractor and crews, service companies, and operator personnel would all experience direct increases in income. Local motels, restaurants, and other services would also benefit financially. Expenditures by company personnel on local services would be of relatively short duration due to the temporary operation timetables. Local employment may be slightly affected in that construction and operating personnel could originate from the local community.

Recreation values in this area are largely confined to four-wheel drive recreation and hunting. The building of new access roads to accommodate the movement of operating equipment also provides new access to previously inaccessible terrain, thereby opening up more areas to potential hunter influx and subsequent additional pressures on wildlife populations.

Cultural Resources Determination:

Based on the formal comments received from the Bureau of Land Management on December 23, 1980, we determine that there would be no effect on cultural resources subject to no stipulations.

Adequacy of Restoration Plans:

Texas Oil and Gas Corporation has submitted plans which meet the requirements of NTL-6 and adequately address the restoration of surface resource which either would be disturbed or destroyed (see Appendix I).

Cumulative Impacts:

Cumulative impacts would occur if the operator extended its exploration program beyond this well. This is the expected case. In order to define the limits of an oil and gas field and to economically and efficiently drain the resource, the operator would need to drill more wells than this individual one.

Cumulative effects resulting from oil and gas field development activities would include, but not be limited to, the stripping of several acres of vegetation, increased pressures on wildlife behavior; continual encroachment on recreation, air quality, and scenic values; and the continuation of current land use patterns.

Denuding the landscape of vegetation over several acres has the cumulative effect of:

1) Increasing erosion/sedimentation potential in local and regional drainage systems,
2) Destroying wildlife habitats and food sources,
3) Increasing the source-acreage for fugitive dust, and
4) Reducing the organic and chemical ingredients necessary for successful revegetation and soil stabilization.

Expanding development of a given field's resources would induce greater pressures on wildlife behavior and habitat through:

1) Destroying food sources and shelter by vegetation clearance and
2) The modification of physiological and psychological behavior as previously discussed.

Continuous encroachment on recreation and scenic values would occur as more drilling, development, and production activities took place. Degradation of these values and to air quality would result through increases in noise, exhaust, particulates, odors, oil field traffic, aircraft traffic, and pipeline construction.

Land use patterns would continue as an extension of the current land use in and around the area to be explored.

Cumulative effects to the subsurface environment may include: Contamination of groundwaters through comingling with drilling chemicals, contamination of potentially usable groundwater supplies through interaquifer leakage via the wellbore, subsidence due to oil, gas, and/or water withdrawal by drilling operations, leaching of potentially harmful chemicals from reserve pits into subsurface water systems, and migration of coliform bacteria from uncontained toilet facilities into groundwater systems through leaching.

Alternatives to the Proposed Action:

1) Disapproving the proposed action or no action - If the proposed action is denied, no action would occur. The existing environment would remain in its present state, the lessee/operator would not realize any return on investments, and the public would be denied a potential energy source.

2) Approving the project with the recommended stipulations - Under Federal oil and gas leasing provisions, the Geological Survey has a responsibility to approve mineral development if the environmental consequences are not too severe or irreversible. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and Surface Management Agency supervision. Environmental impacts would be significantly mitigated.

3) Allow the proposed activity as described in the APD and amended by the site-specific mitigation measures included in this Environmental Assessment. This alternative provides for the simultaneous achievement of the following economic, management, and environmental goals:

a. Texas Oil and Gas Corporation is allowed to test the energy resource potential,
b. The USGS/BLM follow management strategies consistent with their directives,
c. Environmental and other resource values are protected through the incorporation of site-specific mitigating measures which are designed to minimize the adverse effects resulting from the proposed activity.

Unavoidable Adverse Environmental Effects of the Proposed Action:

Unavoidable adverse effects would include the stripping of about 3.1 acres of vegetation temporarily increasing the erosion/sedimentation potential and source acreage for fugitive dust. The quality and amount of food supply and habitat for wildlife and livestock would be decreased as well as the visual/aesthetic quality of the scenic and recreation resources of the area. Additionally, adverse effects due to noise may include: Wildlife migration; physiological and psychological effects to wildlife, rig, and service personnel, and recreationists; and impairment of rig personnel task performance.

If the well is a producer, long-term visual impacts would occur due to the construction of production facilities. Increased noise and fugitive dust due to upgrading and maintenance of access roads, vehicular traffic by workover rigs, well servicing equipment, and government inspectors, and the release of unpleasant odors could occur.

Site-specific Mitigation Measures:

1) Move the location approximately 35' on an approximate bearing of S22°E in order to minimize the cuts and fills and to reduce the potential for undermining the stability of the cliffside to the north.

2) As a result of the 35' move, the SW corner of the wellpad will temporarily block the main Cottonwood Canyon drainage. If possible, this drainage should be diverted. If it cannot be (and this appears to be the case) then large rocks and boulders will be located in the drainage under the fill portions of the wellpad, riprap applied to the fill slopes. and soils adequately compacted. This will stablize the fill portion of the wellpad during the drilling phase. Immediately after the drilling rig has moved off and either before or during the time the completion rig moves on, Cottonwood Canyon drainage will be thoroughly cleared of rocks and soils and any fill slopes stabilized with riprap. Excess materials (soils and rock) will be recontoured back into those areas not needed for completion, insofar as it is possible. Any remaining excess will be stockpiled in a location on the wellpad where it is:
a) segregated from any topsoil stockpiles and b) does not interfere with safety of operations.

3) In the event of an unusual seasonal change during drilling (specifically, thunderstorms), the operator must have earthmoving equipment available to clear the drainage within four hours of the occurrence of the storm.

4) See Appendix II for Bureau of Land Management Stipulations.

5) If fractured rock is encountered during reserve pit construction, the pit may need to be lined. The USGS-Grand Junction will be notified prior to pit construction and a determination made at that point.

Controversial Issues:

No controversial issues were raised during the preparation of this Environmental Assessment.

Finding of No Significant Impact
40 CFR 1508.13 and .27

Key
NI - No impact
NS - No significant impact

CEQ parameter 40 CFR 1508.27(b)	Severity of Impact Level/Degree of Significance	EA Page and Paragraph Reference
1. Beneficial and/or adverse effects.	NS	Para.4,5 P.5 Para. 4,5 P.9 P.12 A11
2. Public health and safety.	NI	
3. Unique characteristics of the geographical area.	NS	Para. 6, P.5 Para. 10, P.10 Para. 1, P.11
4. Effects highly controversial.	NI	
5. Highly uncertain effects or unique or unknown risks.	NS	P.3, Appendix I, No.10 A&B
6. Establishes precedent for future actions or is a decision in principle about future action.		Para. 10,p.10 Para. 1, P.11 Para. 5, P.12
7. Assessment of cumulative actions and impacts thereof. Note 40 CFR 1508.7		Para. 1-7, P.12

CEQ Parameter 40 CFR 1508.27(b)	Severity of Impact Level/Degree of Significance	EA Page and Paragraph Reference
8. Effect on districts, sites, highways, structures, or objects listed in or eligible for listing in the National Register of Historic Places or may cause loss or destruction of significant scientific, cultural historical resources.	NI	Para. 2, P. 1, AppendixII Para. 8, P. 9, Appendix I
9. Effects on endangered or threatened species or their habitat that have been determined to be critical under the Endangered Species Act of 1973.	NI	Para. 2, P.1 Appendix II
10. Threatens a violation of Federal, State, or local law or requirements imposed for the protection of the environment.	NI	
11. Other related NEPA and environmental documents.		
A. See Bibliography		

Determination:

In my opinion, the proposed action does not constitute major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102(2)(C), and the environmental impacts of the proposed action are not likely to be highly controversial.

District Supervisor, Salt Lake City District — Date 1/5/81

I concur

Deputy Conservation Manager, Central Region — Date 1/7/81

I determine that the preparation of an environmental impact statement is not required.

FOR Conservation Manager, Central Region — Date 1/8/81

STANDARD STIPULATIONS FOR OIL & GAS EXPLORATION

Contact this office at least 48 hours prior to beginning construction of access road and pad.

Stockpile the surface six inches of topsoil in a stockpile on the north end of the location.

The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.

Notify the BLM District Archaeologist if cultural material from subsurface deposits is exposed during the operation.

The bottom half of the reserve pit will be lined with at least two inches of bentonite spread over the surface and raked into the soil.

The trash cage will be at the location and fenced with fine mesh wire during drilling operations.

The "blooey" line will be centered and directed into the pit.

If production is obtained, the access road will be upgraded to BLM specifications for long-term roads as outlined in the surface use standards section of the "Oil and Gas" pamphlet (joint BLM and USGS & USFS publication).

If production is obtained, all production facilities will be painted. (Refer to the enclosed suggested colors for Production Facilities).

Rehabilitation of the site and access road will be accomplished in accordance with the enclosed restoration procedures.

Production facilities and pipeline route are approved on this location under lease rights.

As agreed upon at the pre-drill field examination, the following stipulations will be written for the location, and be specifically applicable to that portion (approximately 50% that is in Section 9, T. 16 S., R. 26 E., SLB&M).

1) The well location will be moved 35 feet SSE, from the original location. (Original location was staked 410 feet FWL, 57 feet FSL Section 9, T. 16 S., R. 26 E.; present location is 414 feet FWL, 22 feet FSL Section 9, T. 16 S., R. 26 S. Initial objective: 2,000 feet FSL and 920 feet FWL in Section 9, present objective 2,200 feet FSL and 1,000 feet FWL in Section 9).

This move will minimize pad cuts and fills.

2) Reserve pit(s) will be constructed in the cut portion of the pad, along the north east quadrant. It will be 20 feet wide, six feet deep, and 150 feet long.

NOTIFY BLM PRIOR TO RESERVOIR CONSTRUCTION SO A REPRESENTATIVE CAN BE PRESENT.

Depending on porosity of the bedrock in the pit at time of construction, it may be necessary to line the pits. In the event pits are lined, they will be lined with at least two inches of bentonite and raked into the fine soils used to seal the porous rock on surface and sides of the reservoir.

3) Reservoir(s) will be fenced during drilling with five strands of barbed wire on three sides, and on the fourth side prior to rig removal.

4) You will carefully follow the stipulations as you outlined in your "Multipoint Surface Use & Operations Plan", pertaining to the well site.

SEED MIXTURE

Species		lbs/acre
Grasses		
Oryzopsis hymenoides	Indian rice grass	1
Stipa comata	Needle & thread grass	1
Forbs		
Sphaeralcea coccinia	Globemallow	1
Shrubs		
Atriplex confertifolia	Shadscale	1
Atriplex canesceus	4-Wing saltbush	1
	Total	5

FROM: : DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT LEASE NO. U-24638

OPERATOR: Texas O & G Corp. WELL NO. 1

LOCATION: C S½ NW¼ SW¼ sec. 9, T. 16S, R. 26E, SLM

Grand County, Utah

1. Stratigraphy: Operator tops appear reasonable

Price River	surface		
Castlegate	1330'		
Mancos	1450'	Buckhorn	5110'
Dakota	4950'	Morrison	5175'
2nd Dakota	4975'	TD	5325'
3rd Dakota	5025'		
4th Dakota	5045'		

2. Fresh Water:

Useable water may occur throughout the Mesaverde

3. Leasable Minerals:

Coal may occur in the Price River and Castlegate (0 to 1450'). This site is located within the Sego Coal Field.

Operator will log top 2000' for oil shale study.

4. Additional Logs Needed:

Include a log of cuttings thru coal interval (0 to 1450').

5. Potential Geologic Hazards: None expected

6. References and Remarks:

23 OCT RECD

Signature: Gregory W Wood Date: 10 - 4 - 80

Texas Oil & Gas
9-165-26E

Date 10/15/80

Memorandum

Glenn

To: District Oil and Gas Engineer, Mr. Edward Guynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. U-24638 Well No. 1

1. The location appears potentially valuable for:

   [ ] strip mining*

   [X] underground mining** coal

   [ ] has no known potential.

2. The proposed area is

   [ ] under a Federal lease for _____ under the jurisdiction of this office.

   [X] not under a Federal lease under the jurisdiction of this office.

3. [X] Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at _____ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

**If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed Allen L Vance

23 OCT REC'D

9-331 C ADDENDUM
Moxa Federal #1
Section 9-T16S-R26E
Grand County, Utah

1. SURFACE FORMATION: Mesa Verde

2. ESTIMATED FORMATION TOPS:

Castlegate Sandstone	641'	Depths given are true vertical depths (TVD)
Mancos Formation	1600'	
Frontier Formation	4096'	
Dakota Formation	4550'	
Morrison Formation	4725'	
TD	4850'	

3. ESTIMATED DEPTH AT WHICH OIL, GAS, WATER OR OTHER MINERAL BEARING ZONES ARE EXPECTED TO BE ENCOUNTERED:

Expected Gas Zones:	Dakota	4600'-4725'	TVD
	Morrison	4725'-4850'	TVD

Water may be encountered in the Mesa Verde

4. DIRECTIONAL DRILL PROGRAM:

As indicated on Form 9-331C, Texas Oil & Gas Corp. proposes to directionally drill the subject well. Major depths and angles are listd below:

	TVD	Deviation	Angle	MD
Kickoff Depth at	300	0	0	573
Angle Established at	1753	396	30.47	1824
Initial Objective at	4600	2071	30.47	5127
Total Depth at	4850	2218	30.47	5417

During kickoff, a build angle of 2.00 degrees per 100' will be used. Surveys will be taken during angle building at intervals of between 3 and 60 feet, as required by hole conditions, to maintain angle building magnitude and direction specified in the above table. When the total angle of 30.47 degrees from vertical is attained, intermediate casing will be set through the angle building interval as listed in the Casing Program. At this point, the 30.47 degree angle will be maintained to our proposed total depth of 4850' (TVD). The bottomhole target is located 2200' FSL and 1000' FWL and is planned with a 500' target radius to comply with Federal and State spacing requirements. Survey intervals during this directional drilling will be taken as required by hole conditions. Should the hole deviate significantly from the planned angle, a liquid drilling fluid system will be required to correct the deviation. When the hole is completed, a complete directional survey will be taken as a final register of the bottomhole location.

5. CASING PROGRAM AS PER FORM 9-331 C.

6. PRESSURE CONTROL EQUIPMENT:

A. After surface casing is set, a double ram-type blowout preventer with blind rams and pipe rams, with minimum working pressure of 2000 psi (greater than the anticipated bottomhole pressure of 1100 psi), will be installed. See Exhibit 1.

B. A choke control, fill and kill lines with minimum working pressure of 2000 psi will be installed.

C. A rotating pack-off head will be installed above the blowout preventer to control flow while drilling with air.

D. The equipment in A and B will be pressure-tested to 2000 psi before drilling surface pipe cement, and the blowout preventer will be tested for operations daily and during trips.

7. MUD PROGRAM:

0'-300'	Spud mud at 8.8-9.2#/gal., vis. 30-40 sec API.
300'-TD	Air or air mist. Will mud up with KCl system if required to control well.

8. AUXILIARY EQUIPMENT:

A. A kelly cock will be used.

B. A float valve will be run in the drill string above the bit.

C. A sub with full opening valve will be kept on the derrick floor to stab into DP when kelly is not in use.

9. CORING, LOGGING, TESTING PROGRAM:

A. No coring is anticipated.

B. GR induction (TD - 2000' above TD)

C. SNP-FDC-GR with caliper (TD - 2000' above TD)

10. ABNORMAL CONDITIONS:

A. No abnormal pressures or temperatures are expected.

B. No hazardous gases such as H_2S are expected.

C. While drilling with gas or air, return fluids will be directed through the blow line to the reserve pit. All open fires or ignition sources will be prohibited on location while gas or air drilling. A pilot flame will be maintained at the end of the blow line (located 125' from the wellhead) to insure burning of return gases that are combustible.

11. ANTICIPATED STARTING DATES:

Start location	January 1, 1981
Spud date	January 10, 1981
Complete drilling	February 5, 1981
Completed, ready for pipeline	February 25, 1981

12. Productive zones will be perforated, tested and treated as necessary. Gas will be flared during testing. Produced water will be contained in the unlined drilling reserve pit. The extent of treatment of a zone (acidizing and/or fracing) can only be determined after the zone has been tested. A completion program will be furnished after drilling and logging.

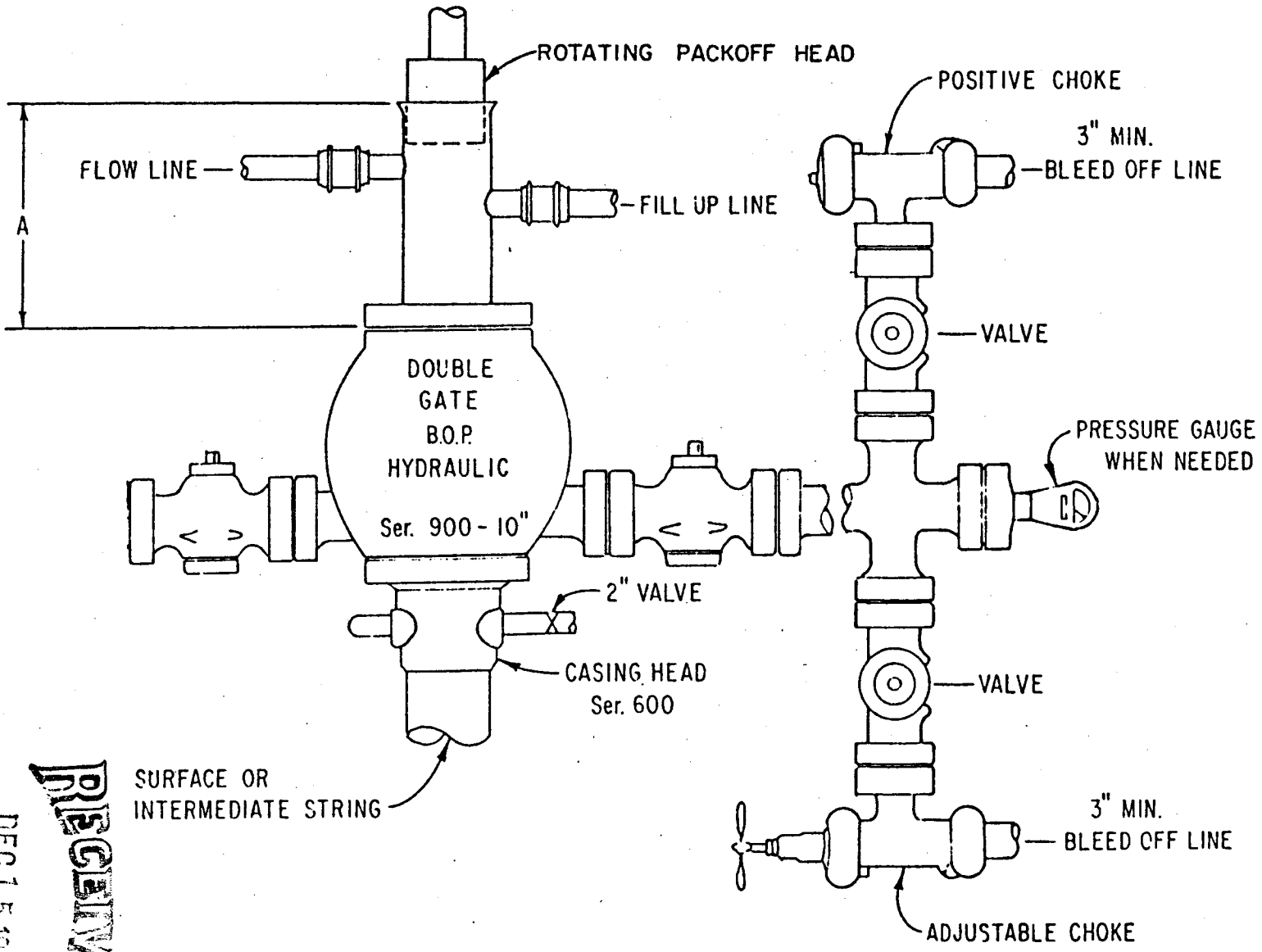


EXHIBIT 1

BLOWOUT PREVENTER DIAGRAM

December 29, 1980

Texas Oil & Gas Corporation
1800 Lincoln Center Bldg.
Denver, Colorado 80264

Re: Well No. Moxa Federal #1
Sec. 9, T. 16S, R. 26E,
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 107-1, dated February 11, 1965.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30698.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight
Director

/ka
cc: USGS

Form 9-331 C
(May 1963)

DUPLICATE

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

Nationwide Bond No. 199-32-08

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-24638

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: ---

7. UNIT AGREEMENT NAME: ---

8. FARM OR LEASE NAME: Moxa Federal

9. WELL NO.: #1

10. FIELD AND POOL, OR WILDCAT: San Arroyo Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 9-T16S-R26E

12. COUNTY OR PARISH: Grand

13. STATE: Utah

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Texas Oil & Gas Corp.

3. ADDRESS OF OPERATOR: 1800 Lincoln Center Building, Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 22' FSL and 414' FWL, Section 9-T16S-R26E
Initial Objective: 2000' FSL and 920' FWL, Sec. 9-T16S-R26E
At proposed prod. zone: TD Objective: 2200' FSL and 1000' FWL, S9-16S-26E
(Target radius of 500' around TD objective)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 18 miles NW of Mack, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 920' Initial Object. 1000' TD Obj.

16. NO. OF ACRES IN LEASE: 1874.24

17. NO. OF ACRES ASSIGNED TO THIS WELL: 297.76

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: ---

19. PROPOSED DEPTH: 5420' MD 4850' TVD

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5778' GR at surface location

22. APPROX. DATE WORK WILL START*: January 1, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	16"	Conductor	40'	2.5 yards
12 1/4"	10 3/4"	40.5# K-55 new	300'	200 sacks
9 7/8"	7 5/8"	29.7# N-80 new	1850' MD (1760' TVD)	300 sacks
6 1/2"	4 1/2"	11.6# N-80 new	5420' MD (4850' TVD)	250 sacks

Texas Oil & Gas Corp. proposes to directionally drill well using a build rate of 2.00 degrees/100' in accordance with the following table:

	TVD	Deviation	Angle	MD
Kickoff Depth at	300'	0	0.00	300
Angle Established at	1753	396	30.47	1824
Initial Objective at	4600	2071	30.47	5127
Total Depth at	4850	2218	30.47	5417

RECEIVED JAN 13 1981 DIVISION OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED R. A. Vaula TITLE Drilling & Production Mgr. DATE 12/17/80

(This space for Federal or State office use)

PERMIT NO. ---

APPROVAL DATE ---

APPROVED BY W. P. Martin FOR E. W. GUYNN DISTRICT ENGINEER TITLE ---

DATE JAN 09 1981

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY
*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

NOTICE OF APPROVAL

State Oil + Gas

United States Department of the Interior

IN REPLY REFER TO

3100
(U-603)

BUREAU OF LAND MANAGEMENT
Moab District
Grand Resource Area
P. O. Box M
Moab, Utah 84532

Memorandum

To: Oil & Gas Office
USGS Conservation Division
P. O. Box 3768
Grand Junction, Co. 81502

From: Acting Area Manager, Grand

Subject: Texas Oil & Gas Corporation
MOXA Fed. #1, Lease # U-24638
22' FSL & 414' FWL Section 9, T. 16 S., R. 26 E., SLM
Grand County, Utah

On December 4, 1980 a representative from this office met with Glenn Doyle, USGS, and Paul Urban agent of the Texas Oil & Gas Corp. for an inspection of the above referenced location. Subject to the attached conditions and written permission from USGS, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Texas Oil & Gas Corp.

M. Scott Parker

Enclosures: (3)
1-Reclamation Procedures
2-Seed Mixture
3-Suggested Colors Production Facilities

23 DEC RECD

IN REPLY REFER TO

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

Cisco Desert and Flats below the Bookcliffs:

Dynasty Green	(Sears)
Tumbleweed	(Pratt & Lambert)
Desert Tan	------
Sage Gray	(Pratt & Lambert)

Bookcliffs Region:

Sage Gray	(Pratt & Lambert)
Sea Life	(Pratt & Lambert)
Dynasty Green	(Sears)

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

RECLAMATION PROCEDURES IN GRAND RESOURCE AREA

1. Disk or rip pads and access roads.

   a. Overlap passes in order to insure complete treatment.

2. Contour pads and access roads.

   a. Lay berms into centers.

   b. Use cut material for fill areas.

   c. Lay stockpiled surface soil over top of pads and spread evenly.

   d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.

   e. Do not smooth pads out, leave a roughened surface. On steeper slopes and slopes with clayey soils scarify or serrate the ground in order to increase water infiltration and reduce erosion.

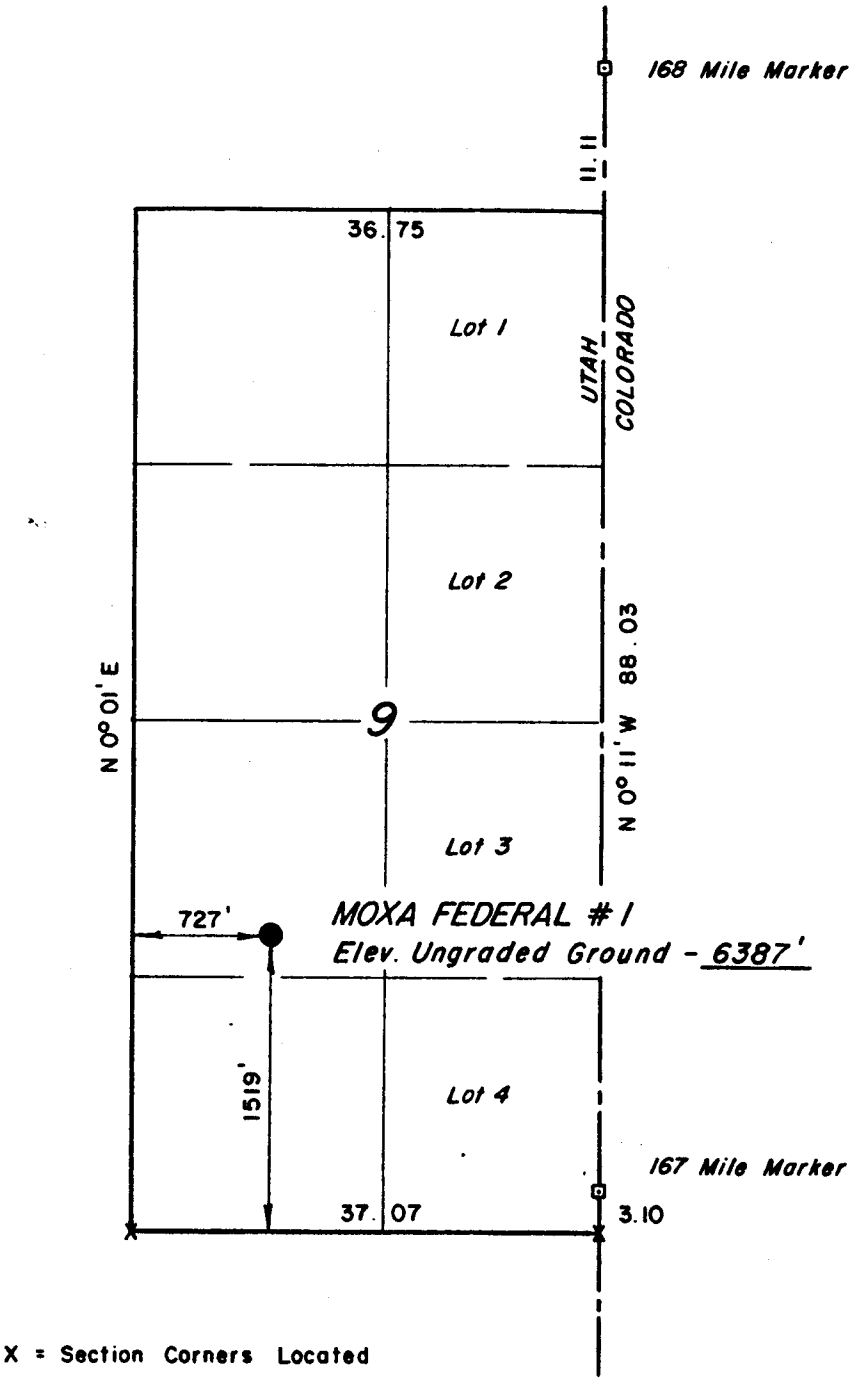
3. Water bar roads where required by this office.

*	2%	Grade	- 200 ft. intervals
	2-4%	Grade	- 100 ft. intervals
	4-5%	Grade	- 75 ft. intervals
	5%	Grade	- 50 ft. intervals

   * Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars are to be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.

4. Seed roads and pads in the fall (Oct. through mid-Dec.).

T 16 S, R 26 E, S.L.B.&M.



X = Section Corners Located

PROJECT

TEXAS OIL & GAS CORP.

Well location, *MOXA FEDERAL #1*, located as shown in the N 1/2 SW 1/4 Section 9, T 16 S, R 26 E, S.L.B.& M. Grand County, Utah.

Exhibit 2

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION Nº 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q – 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 9 / 13 / 80
PARTY L.D.T. T.J. B.F.W.	REFERENCES GLO Plat
WEATHER Cloudy & Cool	FILE TEXAS OIL & GAS CORP.

9-331 C ADDENDUM
Moxa Federal #1
Section 9-T16S-R26E
Grand County, Utah

1. SURFACE FORMATION: Mesa Verde

2. ESTIMATED FORMATION TOPS:

Castlegate Sandstone	1329'
Mancos Formation	1450'
Dakota Formation	4950'
Second Dakota Sandstone	4975'
Third Dakota Sandstone	5025'
Fourth Dakota Sandstone	5045'
Buckhorn Sandstone	5110'
Morrison Formation	5175'
TD	5325'

3. ESTIMATED DEPTH AT WHICH OIL, GAS, WATER OR OTHER MINERAL BEARING ZONES ARE EXPECTED TO BE ENCOUNTERED:

Expected Gas Zones:	Second Dakota SS	4975'
	Third Dakota SS	5025'
	Fourth Dakota SS	5045'
	Buckhorn SS	5110'

Water may be encountered in the Mesa Verde

4. CASING PROGRAM AS PER FORM 9-331 C.

5. PRESSURE CONTROL EQUIPMENT:

A. After surface casing is set, a double ram-type blowout preventer with blind rams and pipe rams, with minimum working pressure of 2000 psi (greater than the anticipated bottomhole pressure of 1100 psi), will be installed. Refer to Exhibit 1.

B. A choke control, fill and kill lines with minimum working pressure of 2000 psi will be installed.

C. A rotating pack-off head will be installed above the blowout preventer to control flow while drilling with air.

D. The equipment in A and B will be pressure-tested to 2000 psi before drilling surface pipe cement, and the blowout preventer will be tested for operations daily and during trips.

6. MUD PROGRAM:

0'-300'	Spud mud at 8.8-9.2#/gal., vis. 30-40 sec API.
300'-TD	Air or air mist. Will mud up with KCl system if required to control well.

7. AUXILIARY EQUIPMENT:

   A. A kelly cock will be used.

   B. A float valve will be run in the drill string above the bit.

   C. A sub with full opening valve will be kept on the derrick floor to stab into DP when kelly is not in use.

8. CORING, LOGGING, TESTING PROGRAM:

   A. No coring is anticipated.

   B. GR induction

   C. SNP-FDC-GR with caliper

   D. Will log top 2000' for oil shale study.

9. ABNORMAL CONDITIONS:

   A. No abnormal pressures or temperatures are expected.

   B. No hazardous gases such as H2S are expected.

   C. While drilling with gas or air, return fluids will be directed through the blow line to the reserve pit, located 125' from the wellhead. All open fires or ignition sources will be prohibited on location while gas or air drilling. A pilot flame will be maintained at the end of the blow line to insure burning of return gases that are combustible.

10. ANTICIPATED STARTING DATES:

Start location	September 23, 1980
Spud date	October 1, 1980
Complete drilling	October 15, 1980
Completed, ready for pipeline	October 30, 1980

11. Productive zones will be perforated, tested and treated as necessary. Gas will be flared during testing. Produced water will be contained in the drilling reserve pit. The extent of treatment of a zone (acidizing and/or fracing) can only be determined after the zone has been tested. A completion program will be furnished after drilling and logging.

FORM DOGC-4

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
1588 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84116
533-5771

State Lease No. _____
Federal Lease No. 71-024638
Indian Lease No. _____
Fee & Pat. _____

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Grand FIELD/LEASE San Arroyo/Moxa Federal #1

The following is a correct report of operations and production (including drilling and producing wells) for the month of:

January, 1981.

Agent's Address
1800 Lincoln Center Bldg.
Denver, Colorado 80264
Phone No. 303/861-4246

Company Texas Oil & Gas Corp.
Signed Janette Jenike
Title Production Clerk

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NW SW 9	16S	26E	1	-0-	-0-	-	-0-	-0-	-0-	Spud on 1-24-81

GAS: (MCF)
Sold -0-
Flared/Vented -0-
Used On/Off Lease -0-

OIL or CONDENSATE: (To be reported in Barrels)
On hand at beginning of month -0-
Produced during month -0-
Sold during month -0-
Unavoidably lost -0-
Reason: _____
On hand at end of month -0-

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. *THIS REPORT MUST BE FILED*

[redacted]

REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY

Texas Oil & Gas
COMPANY

M.O.X.A. Fed No. 1
WELL NAME

Utah
LOCATION

JOB NUMBER	TYPE OF SURVEY	DATE
RM181D00660	Magnetic Single Shot	3-3-81

SURVEY BY
Bill Womack

OFFICE
Rocky Mountain

FORM D-302 R2

TEXAS OIL & GAS CO.
WELL NO.: M.O.X.A. FED. NO. 1
LOCATION: UTAH
FILE NO.: 46
DATE: 1-29-81
JOB NO.: RM181D0660
SECTION BEARING: N14 44 09E
TYPE: MAGNETIC SINGLE SHOT
DECLINATION: 14 EAST
SURVEYOR: BILL WOMACK

VERTICAL SECTION CALCULATED IN PLANE OF PROPOSAL
DIRECTION: N 14 DEG. 44 MIN. E

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD

01:24:38
01-MAR-81
FILE NUMBER: 46

TEXAS OIL & GAS CO.
WELL NO.: M.O.X.A. FED. NO. 1
LOCATION: UTAH

CONVERSATIONAL SURVEY PROGRAM V02.11

EXAS OIL & [illegible] CO. COMPUTATION
ELL NO.: M.O.X.A. FED. NO. 1 TIME DATE
OCATION: UTAH 01:24:38 01-MAR-81

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES FEET		CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M	DOGLEG SEVERITY DG/100FT
363.	0 0	0 0	0.	363.00	0.00	0.00	0.00	0.00	0 0	0.00
378.	1 0	N 57 0 E	15.	378.00	0.10	0.07 N	0.11 E	0.13	N 57 0 E	6.67
412.	2 15	N 47 0 E	34.	411.98	0.86	0.66 N	0.87 E	1.09	N 52 36 E	3.76
447.	3 15	N 49 0 E	35.	446.94	2.27	1.79 N	2.12 E	2.77	N 49 49 E	2.87
474.	4 30	N 49 0 E	27.	473.88	3.78	2.98 N	3.49 E	4.59	N 49 29 E	4.63
505.	5 30	N 49 0 E	31.	504.76	6.01	4.76 N	5.53 E	7.30	N 49 19 E	3.73
536.	7 0	N 47 0 E	31.	535.58	8.83	7.02 N	8.04 E	10.67	N 48 54 E	4.[illegible]
568.	8 30	N 45 0 E	32.	567.29	12.52	10.01 N	11.14 E	14.98	N 48 4 E	4.76
598.	9 30	N 41 0 E	30.	596.92	16.65	13.44 N	14.34 E	19.66	N 46 51 E	3.93
629.	10 30	N 35 0 E	31.	627.44	21.59	17.68 N	17.66 E	24.99	N 44 57 E	4.65
660.	11 0	N 28 0 E	31.	657.90	27.13	22.61 N	20.68 E	30.64	N 42 26 E	4.51
691.	11 0	N 20 0 E	31.	688.33	32.96	28.01 N	23.08 E	36.29	N 39 29 E	4.92
722.	11 0	N 12 0 E	31.	718.76	38.87	33.69 N	24.71 E	41.78	N 36 15 E	4.92
753.	12 0	N 12 0 E	31.	749.14	45.04	39.74 N	25.99 E	47.48	N 33 11 E	3.23
785.	13 0	N 12 0 E	32.	780.38	51.96	46.51 N	27.43 E	54.00	N 30 32 E	3.12
875.	15 30	N 16 0 E	90.	867.60	74.11	68.00 N	32.79 E	75.50	N 25 45 E	2.98
938.	17 0	N 16 0 E	63.	928.08	91.73	84.95 N	37.65 E	92.92	N 23 54 E	2.38
1031.	18 30	N 12 0 E	93.	1016.65	120.07	112.45 N	44.51 E	120.94	N 21 36 E	2.08
1125.	21 15	N 13 0 E	94.	1105.05	152.00	143.65 N	51.42 E	152.57	N 19 42 E	2.95
1218.	23 30	N 10 0 E	93.	1191.04	187.34	178.33 N	58.48 E	187.68	N 18 9 E	2.71
1318.	24 0	N 9 0 E	100.	1282.57	227.45	218.05 N	65.13 E	227.57	N 16 38 E	0.64
1411.	24 30	N 9 0 E	93.	1367.36	265.45	255.78 N	71.10 E	265.48	N 15 32 E	0.54
1504.	25 0	N 10 0 E	93.	1451.82	304.23	294.18 N	77.53 E	304.23	N 14 46 E	0.70
1597.	25 30	N 9 0 E	93.	1535.94	343.73	333.31 N	84.08 E	343.75	N 14 9 E	0.71
1691.	25 30	N 10 0 E	94.	1620.78	384.03	373.22 N	90.76 E	384.10	N 13 40 E	0.46
1746.	26 30	N 9 0 E	55.	1670.21	408.04	397.00 N	94.73 E	408.15	N 13 25 E	1.99
1837.	29 0	N 9 0 E	91.	1750.74	450.19	438.85 N	101.36 E	450.40	N 13 0 E	2.75
1930.	32 0	N 9 0 E	93.	1830.86	497.15	485.46 N	108.75 E	497.49	N 12 38 E	3.23
1983.	33 0	N 9 0 E	53.	1875.56	525.49	513.59 N	113.20 E	525.91	N 12 26 E	1.89
2044.	32 30	N 10 0 E	61.	1926.86	558.35	546.13 N	118.65 E	558.87	N 12 15 E	1.21

ASURED EPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M	DOGLEG SEVERITY DG/100FT
2136.	31 15	N 9 0 E	92.	2004.99	606.73	594.05 N 126.66 E	607.40	N 12 2 E	1.47
2230.	30 0	N 9 0 E	94.	2085.88	654.37	641.34 N 134.16 E	655.22	N 11 49 E	1.33
2311.	29 45	N 9 0 E	81.	2156.11	694.52	681.19 N 140.47 E	695.52	N 11 39 E	0.31
2372.	31 0	N 8 0 E	61.	2208.74	725.18	711.70 N 145.03 E	726.32	N 11 31 E	2.21
2433.	33 0	N 8 0 E	61.	2260.47	757.28	743.71 N 149.52 E	758.59	N 11 22 E	3.28
2495.	35 0	N 6 0 E	62.	2311.86	791.63	778.11 N 153.75 E	793.16	N 11 11 E	3.(
2598.	38 0	N 6 0 E	103.	2394.65	852.18	839.04 N 160.15 E	854.19	N 10 48 E	2.91
2629.	38 45	N 6 0 E	31.	2418.95	871.20	858.18 N 162.16 E	873.37	N 10 42 E	2.42
2660.	40 0	N 6 0 E	31.	2442.92	890.64	877.74 N 164.22 E	892.97	N 10 36 E	4.03
2719.	38 30	N 6 0 E	59.	2488.61	927.54	914.86 N 168.12 E	930.18	N 10 25 E	2.54
2781.	34 30	N 6 0 E	62.	2538.43	963.98	951.53 N 171.98 E	966.95	N 10 15 E	6.45
2847.	31 30	N 6 0 E	66.	2593.78	999.51	987.28 N 175.73 E	1002.79	N 10 6 E	4.55
2908.	31 0	N 6 0 E	61.	2645.93	1030.78	1018.75 N 179.04 E	1034.36	N 9 58 E	0.82
3002.	29 45	N 5 0 E	94.	2727.02	1077.70	1066.06 N 183.60 E	1081.75	N 9 46 E	1.43
3094.	31 0	N 5 0 E	92.	2806.40	1123.55	1112.40 N 187.65 E	1128.12	N 9 35 E	1.36
3187.	27 30	N 4 0 E	93.	2887.52	1168.26	1157.70 N 191.22 E	1173.38	N 9 23 E	3.80
3280.	26 30	N 3 0 E	93.	2970.39	1209.67	1199.84 N 193.79 E	1215.39	N 9 11 E	1.18
3373.	24 0	N 2 0 E	93.	3054.49	1248.44	1239.47 N 195.52 E	1254.79	N 8 58 E	2.73
3470.	24 0	N 1 0 E	97.	3143.11	1286.84	1278.91 N 196.56 E	1293.92	N 8 44 E	0.42
3594.	23 0	N 0 0 E	124.	3256.82	1334.77	1328.35 N 196.99 E	1342.87	N 8 26 E	0.
3717.	21 0	N 1 0 W	123.	3370.86	1379.22	1374.42 N 196.59 E	1388.41	N 8 8 E	1.65
3873.	20 0	N 1 0 W	156.	3516.98	1431.81	1429.04 N 195.63 E	1442.37	N 7 48 E	0.64
4027.	18 45	N 2 0 W	154.	3662.26	1480.86	1480.11 N 194.29 E	1492.81	N 7 29 E	0.84
4213.	17 30	N 3 0 W	186.	3839.02	1536.12	1537.92 N 191.77 E	1549.83	N 7 6 E	0.69
4400.	16 0	N 5 0 W	187.	4018.08	1587.16	1591.68 N 188.01 E	1602.74	N 6 44 E	0.86
4646.	14 30	N 6 0 W	246.	4255.41	1647.87	1656.08 N 181.81 E	1666.03	N 6 16 E	0.62
E NEXT STATION IS A PROJECTION TO TD									
5106.	14 0	N 9 0 W	460.	4701.26	1752.67	1768.33 N 167.03 E	1776.20	N 5 24 E	0.19

FINAL CLOSURE - DIRECTION: N 5 DEGS 23 MINS 46 SECS E
DISTANCE: 1776.20 FEET

TEXAS OIL & GAS CORP.
1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

March 5, 1981

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

RE: Completion of
MOXA FEDERAL #1
Section 9-T16S-R26E
Grand County, Utah

Gentlemen:

Enclosed is Utah O&GCC Form 3 detailing completion of the subject well. Accompanying this form are the following:

1. Well history and chronology
2. Final computerized directional tabulation
3. Map showing plan views of wellbore profile
4. Report of water encountered during drilling
5. One (1) copy of all electric logs

Please treat all material as confidential. Please contact the undersigned should you require any further information concerning this completion.

Very truly yours,

TEXAS OIL & GAS CORP.

David E. Johnson
Engineer

DEJ/ab

Enclosures

Form OGC-3

SUBMIT IN DUPL. E*
(See other instructions on reverse side)

12

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: U-24638

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

8. FARM OR LEASE NAME: MOXA FEDERAL

2. NAME OF OPERATOR: Texas Oil & Gas Corp. [redacted]

9. WELL NO.: 1

3. ADDRESS OF OPERATOR: 1800 Lincoln Center, Denver, CO 80264

10. FIELD AND POOL, OR WILDCAT: San Arroyo

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 22' FSL, 414' FWL Section 9-T16S-R26E
At top prod. interval reported below: 1730' FSL, 588' FWL Section 9-T16S-R26E
At total depth: 1790' FSL, 581' FWL Section 9-T16S-R26E

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Section 9-T16S-R26E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-019-30698	1-9-81	Grand	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
1-24-81	2-10-81	2-24-81	5778' GR	5778'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
5156' (MD) 4741' (TVD)	5110' (MD) 4700' (TVD)		→	0-5150' (MD)	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 4861'-4937' (MD) 4456'-4531' (TVD) Dakota

25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: DIL-GR, FDC-SNP-GR

27. WAS WELL CORED: NO

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4"	40.5#	314'	14 3/4"	290 sxs	-
7 5/8"	29.7#	1943'	9 7/8"	250 sxs	-
4 1/2"	11.6#	5149	6 1/4"	125 sxs	-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	4552'	

31. PERFORATION RECORD (*Interval, size and number*)
4861, 63, 65, 73, 75, 77, 79, 81, 4900, 02, 04, 07, 09, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37. 26-.31" diameter holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4861-4937(gross)	500 gal 10% acetic acid
4861-4937(gross)	62000 gal 75% quality N_2 foam in gelled water base w/86500# 20-40 sand.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
2-21-80	Flowing	SI WOPL

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-24-80	24				2500	mist	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
235 psig	450 psig			2500	mist	

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): Vented

TEST WITNESSED BY: John Gordon

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Engineer DATE March 2, 1981

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			No drill stem tests run - gauged 3.1 MMCFD from Buckhorn formation during drilling with air mist - small amount of gas flared during drilling Dakota sands TSTM.

38. GEOL[redacted]ARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Dakota silt	[redacted]7'	4280'
1st SS	[redacted]8'	4356'
2nd SS	[redacted]8'	4367'
3rd SS	[redacted]4'	4420'
4th SS	[redacted]0'	4455'
Buckhorn	4898'	4492'
Morrison	4938'	4532'
TD	5156'	4741'

FILE IN TRIPLICATE
FORM OGC-8-X

56 64 03

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number MOXA FEDERAL #1

Operator Texas Oil & Gas Corp. *Address* 1800 Lincoln Center, Denver CO 80264

Contractor ATCO Drilling *Address* 3515 So Tamarac #230, Denver, CO 80237

Location SW ¼ SW ¼ *Sec.* 9 *T:* 16S *R.* 26E *County* Grand

Water Sands

	Depth		Volume	Quality
	From	To	Flow Rate or Head	Fresh or Salty
1.	300'	360'	5 BPH	Salty
2.				
3.				
4.				
5.				

(Continue of reverse side if necessary)

Formation Tops

Remarks

NOTE: (a) *Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.*

(b) *If a water analysis has been made of the above reported zone, please forward a copy along with this form.*

[redacted]

WELL NAME:	MOXA FEDERAL #1	CONTRACTOR:	ATCO #18
AREA:	Moxa Federal	NID APPROVED:	
LOCATION:	Section 9-16S-26E	EST. TD:	5420'
COUNTY:	Grand County	AFE NUMBER:	810614
STATE:	Utah	LEASE NUMBER:	91539
ELEVATIONS:	5778' GL.	TXO WI:	100%
FOOTAGE:	22' FSL & 414' FWL		

COMPANY	CONTACT	ALTERNATE
TO&G 2150 Fidelity Union Tower Dallas, TX 75201	(214) 747-8341 Telecopy	J. D. Huppler
Credo Petro Corp. 475 17th Street Suite 1010 Denver, CO 80202	(303) 893-2136 Dick Sondlin Mail weekly Rene Carmody	
Moxa Energy Corp. P. O. 1460 Casper, WY 82601	(307) 237-9942 Bill Farleigh Mail weekly Call Daily Evelyn	

1/25/81 301', made 301' in 17 hrs. WOC, sh. 8.8, 38-40. Bit No. Reed Y-11J, 14 3/4", jets 20,20,20 out 301. Made 261' in 17 hrs. Csg 10 3/4 DJ cmt nose guide shoe (1'), 1 jt 10 3/4, 40.5# (45.53'), 10 3/4 insert flt, 6 jts 10 3/4" (267.28'). RIH w/10 3/4" csg, shoe @ 313.81', cmt w/290 sxs 2% CaCl, displace 25 bbls, PD @ 6:30 am 1/25/81. DW 55,364. CW 55,364. DD 1.

1/26/81 301'. TIH to press RAMS, sh. DW 16,199. CW 71,563. DD 2.

1/25/81 CORRECTED: 311'(311'), SPUD 14 3/4¼ hole @ 8:00 am on 1/24/81.

1/27/81 336'(25'), Mist drlg, sd/sh. Bit No. 2, 9 7/8", Reed H, HS51-J. Made 25' in 11½ hrs. Press tst BOPs, accum fail, chng out rotating head & fix lkg pipe rams.

1/28/81 830'(494'), Surveying, sh. Air Mist. Bit No. 3, 9 7/8", Reed, HsH51 out 643'. 280' in 4 hrs. DW 20,574. CW 103,911. DD 4.

DEPTH		INCLINATION	DIRECTION
MD	TVD	Actual/Desired	(N14° .44" E)
568'	561'	8° / 3.36°	N 45 E
722'	713'	11° / 6.44°	N 12 E

1/29/81 880', made 50' in 2 hrs. Drlg, sh. Air Mist. Bit No. 5, 9 5/8", Reed, FP53J, Bit No. 4 9 7/8", Reed, FP51, Jets op, in 643 out 830. 187' in 5½ hrs. Reamed 500' & drilled 50'. DW 19,949. CW 123,860. DD 5.

DEPTH		INCLINATION	DIRECTION
MD	TVD	Actual/Desired	(N14° .44" E)
785'	776'	13° / 7.7°	N 12 E

1/30/81 1455',made 575' in 15 3/4 hrs. Drlg sh. Air Mist. BHA is now packed. DW 9534. CW 133,394. DD 6.

DEPTH		INCLINATION	DIRECTION
MD	TVD	Actual/Desired	(N14° .44" E)
1218'	1185'	23½° / 16.36°	N 10 E
1318'	1276'	24 ° / 18.36°	N 9 E
1411'	1361'	24½° / 20.22°	N 9 E

1/31/81 1810', made 355' in 16 hrs. Drlg, sh. Air Mist. Bit No. 5, 9 7/8", FP 53J. 980' in 33 3/4 hrs. DW 16,598. CW 149,992. DD 7.

DEPTH		INCLINATION	DIRECTION
MD	TVD	Actual/Desired	(N 14° .44" E)
1746'		26½°	N 9° E

2/1/81 1955', made 145' in 6 3/4 hrs. RU cmt, Sh. Air Mist. Bit No. 9 7/8", REED, FP 53J, Out 1955'. 1125' in 40½ hrs. RIH w/1 7 5/8" BJ csgs (1.0), 1 jt. 7 5/8" 29.7#, N-80, LT&C 8rd, R-3, C-A csg (41.13'), BJ CFC (1-0), 45 jts 7 5/8" csg (1921.25'), set shoe csg @ 1942-78', flt @ 1900.65'. Cmt w/150 sx 50/50 Poz w/2% gel, tailed w/100 sxs "G", w/2% $CaCl_2$, disp w/ 88 bbl fresh wtr. PD @ 10:00 am, 2-1-81, flt held OK.

(con't next page)

TEXAS OIL & GAS CORP.
DENVER DISTRICT
MOXA FEDERAL 1
Section 9-16S-26E
Grand Co./Utah

[redacted]

2/01/81

DEPTH MD	DEPTH TVD	INCLINATION Actual/Desired	DIRECTION (N 14° .44" E)
1837'		29°	N 9° E
1930'		32°	N 9° E

DW 44,513. CW 194,505. DD 8.

2/02/81 1955'. Drlg Shoe. BHA, bit, NB, bit swb, short collar-10', IBS, flt swb, IBS, DC, IBS. 1st survey 60' below shoe 2000# w/80 rpm. DW 16,309. CW 210,814. DD 9.

2/03/81 2305', made 350' in 18 hrs. Drlg, sh, dust. Bit No. 6, 6¼", FP62, op. 350' in 18 hrs.

SURVEY INFORMATION

MD	1983'	2044'	2136'	2230'
INC/DIR	33° N 9 E	32½° N 10 E	31¼° N 9 E	30° N 9 E
TVD	1870'	1921'	1999'	2080'
VS	525'	558'	606'	653'
N	514'	546'	594'	641'
E	112'	117'	125'	133'

DW 9928. CW 220,742. DD 10.

2/04/81 2616' made 311' in 10 3/4 hrs. Drlg, sh. Dust. Bit No. 6, 6¼", REED, FP62, open. DW 9534. CW 230,276. DD 11.

2/05/81 2815', made 199' in 14¼ hrs. TIH w/packed BHA, sh. Bit No. 6, 6¼", Re-d, FP62, Open. Ftg 510' in 25 hrs. DW 11,307. CW 241,583. DD 12.

SURVEY INFORMATION

MD	2495'	2598'	2629'	2660'	2719'	2781'
INC/DIR	35°N6E	38°N6E	38 3/4° N6E	40°N6E	38½°N6E	34½°N6E
TVD	2306'	2389'	2413'	2437'	2483'	2533'
VS	790'	851'	870'	889'	926'	962'
N/E	778/154	838/161	858/163	887/165	914/168	951/172

2/06/81 3387', made 572' in 15 3/4 hrs. Drlg, sh, dust. Bit No. 6, 6¼", REED, FP62, Open. Ftg 1082' in 40 3/4 hrs. WOB 6-20, RPM 48-80. 14" hole BHA 547'. DW 16,891. CW 258,474. DD 13.

SURVEY INFORMATION

MD	2847'	2908'	3002'	3094'	3187'	3280'
INC/DIR	31½ N6E	31 N6E	29 3/4 N5E	31 N5E	27½ N4E	26½ N3E
TVD	2588'	2640'	2721'	2801'	2882'	2965'
VS	998'	1029'	1076'	1122'	1167'	1208'
N	987'	1018'	1065'	1112'	1157'	1199'
E	176'	179'	184'	188'	192'	194'

2/07/81 3520', made 133' in 3 hrs. TIH to run survey, sd/sh, Dust. Bit No. 6, 6¼", Reed, FP62, Jets open. Ftg 1215' in 43 3/4 hrs. DW 15,107. CW 273,581. DD 14.

SURVEY INFORMATION

MD	3373'
INC/DIR	24°N2E
TVD	3049'
VS	1247'
N/E	1239/196'

2/08/81 4382', made 862' in 15½ hrs. Drlg, sd/sh. Dust. Bit No. 6, 6¼", Reed, FP62, Jets open. Ftg 2077' in 59¼ hrs. DW 9887. CW 283,468. DD 15.

SURVEY INFORMATION

MD	3470'	3713'	4027'
INC/DIR	24 N1E	21 N1W	18 3/4 N2W
TVD	3138'	365'	3657'
VS	1285'	1378'	1479'
N/E	1278/197'	1374/197'	1480/195'

2/09/81 4805', made 423' in 13¼ hrs. Rig Repair, hydramatic out, sd/sh. Dust. Bit No. 6, 6¼", Reed, Jets open, out 4690'. Ftg 2385' in 66¼ hrs. Bit No. 7, 6¼", Reed, FP62, Jets open. Ftg 115' in 6¼ hrs. DW 14,574. CW 298,042. DD 16.

MD	4400'	4646'
INC/DIR	16 N5W	14½ N6W
TVD	4013'	4267'
VS	1585'	1650'
N/E	1591/188'	1660/182'

2/10/81 5150' MD, 4728' TVD, made 345' in 14¼ hrs. TOOH to log, sd/sh. Dusting. Bit No. 8. 6¼", FP62, open, out 5150'. Ftg 460' in 20½ hrs. Measured 3000 MCFD flare @ 4900', cont drlg to TD w/o mudding up. Est top of Morrison @ 4950' (MD) (4544' TVD). Penetrated 206' of Morrison. Est top of Dakota Silt 4700' MD (4304' TVD). Est Dakota Silt Datum +1486'. DW 8757. CW 306,799. DD 17.

TEXAS OIL & GAS CORP
DENVER DISTRICT
MOXA FEDERAL 1
Section 9-16S-26E
Grand County, Utah

02/11/81 5150', made 0'. TOOH to LD DP, logged well (did not have to kill), TIH to cond w/air. DW 7950. CW 314,749. DD 18.

02/12/81 5150'(0'), RD MORT. Rn 4½" Dow CGS (1.0') 1 jt 4½" 11-6#, N-80 8rd R-3 C-B csg (37.62'), 1 4½" insert float 48 jts 4½" 11-6# N-80 8rd R-3 C-B csg (2011.19'), 75 jts 4½" 11-6#, N-80 8rd R-3 C-A csg (3135.97'), shoe @ 5149' KB, flt @ 5110.38', cmt w/125 sxs 50/50 Poz 5%, 2%, .75% D-65, disp w/79.7 bbl 3% KCL wtr, press to 4000# after 20 bbl of displ. Brk back to 350#, thus con't displ. Landed plg @ 1000#, flt held OK. PD 2:50 pm on 2/11/81. RR 9:00 pm on 2/11/81. DW 29,688. CW 344,437. DD 19.

02/13/81 5150' PBTD, WOCU.

02/16/81 5150' PBTD, MI RUCU.

02/17/81 5150' PBTD, MIRUCU. Prep to rn CBL.

02/18/81 5150' PBTD, NU tree. RU GO, rn CBL. TOC 3810'. Unable to get logging tl below 5081'. PU 2 3/8" tbg, RIH to 5084'. pull 4 jts, land @ 4953' KB. NU BOP's, SDFN. DW 33,290. CW 377,727.

02/19/81 5150' PBTD, Pres tst csg to 5000#, held OK. Spot 10 bbl 10% acetic acid across interval to be perfed. LD 13 jts 2 3/8" tbg. RU GO, perf 4861', 63', 65', 73', 75', 77', 79', 81', 4900', 02', 04', 07', 09', 25', 26', 27', 28', 29', 30', 31', 32', 33', 34', 35', 36', 37' w/26 holes total. 3 1/8" DML csg gun (.31" dia holes). Bkdn fm @ 2100#, displ acetic acid @ 5 BPM, 1600#. ISIP 1100#, on vac in 30 sec. RIH w/tbg, landed @ 4551.89'. Inst blast jt & Xmas tree. RU, swb. 48 BLTR. SDFD. DW 8513. CW 386,240.

02/20/81 5150' PBTD, swb well, KO after 14 rns @ 11:00 am. Rec appx 40 BW, F to CU, inst CFP @ 4:00 pm. Well F 277 MCFD on 3/8" orif. FTP 75#, FCP 180# this am. F 190# on 3/8" orif, FCP 215#, 633 MCFD w/lite mist. Prep to frac on Saturday. DW 1775. CW 388,015.

02/21/81 5150' PBTD, F well to pit to CU 24 hrs. Rate incr to appx 700 MCFD. Prep to frac today. DW 1500. CW 389,515.

02/22/81 5150' PBTD, RU Western, frac 3rd & 4th Dakota & Buckhorn w/62,000 gal 75% Q N_2 foam and 86,500# 20/40 sd. Total N_2 vol, 1.7 MMSCF. Formation bkdwn @ 4800# & 20 BPM. Inner rate to 36 BPM (dwn hole). MAX TP 4800# tbg, 2800# csg, MAX IR 36 BPM. ATP 4500 # tbg, 2600# csg, AIR 36 BPM. Flush to top perf w/N_2 foam. SIW for 30", op to pit on ch to CU. DW 60,000 (est). CW 449,515 (est).

02/23/81 5150' PBTD, F to pit 24 hr on ch to CU.

02/24/81 5150' PBTD, 9:00 am 2/23/81 FTP 173#, FCP 540#, FARO 2.3 MMCFD. 4:00 pm 2/23/81 FTP 245#, FCP 500#, FARO 3.2 MMCFD. 8:00 am 2/24/81 FTP 235#, FCP 450#, FARO 2.5 MMCFD. SWI, RR: 8:00 am on 2/24/81. DW 3200. CW 452,715. IP 2.5 MMCFD @ 235# FTP. SI Dakota gas well, WOPL (gas well). FINAL REPORT!!!

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 13, 1984

Texas Oil & Gas Corporation
1800 Lincoln Center Bldg.
Denver, CO 80264

RE: Operator name changes
List of wells attached

Gentlemen:

In preparing our files for microfilming and data entry we have found information indicating these wells are operated by you. We have not received the proper Sundry Notices stating which company (TXO or Texas Oil & Gas Corp.) is the operator of each of these wells. The enclosed list is based on our current production reports and they do not correlate with our well records. Please send a corrected copy of the attached list indicating any changes or that no changes are necessary so that we may update our files properly.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our company.

Thank you for your prompt attention to the above matter.

Respectfully,

Claudia Jones

Claudia Jones
Well Records Specialist

CJ/cj
Enclosures

OPERATOR
FIELD
COUNTY
WELLNAME

TXO PRODUCTION CORP
BAR X
GRAND
HANCOCK FEDERAL #1-X
05-17S-25E
43-019-30834

COUNTY TOTALS

FIELD TOTALS

TXO PRODUCTION CORP
BOOK CLIFFS
GRAND
BOOK CLIFFS UNIT #1
32-18S-22E
43-019-15410
BOOK CLIFFS UNIT #3
33-18S-22E
43-019-15411

COUNTY TOTALS

FIELD TOTALS

TXO PRODUCTION CORP
EAST CANYON
GRAND
CALLISTER FEDERAL #1
24-16S-24E
43-019-30857

COUNTY TOTALS

OPERATOR
FIELD
COUNTY
WELLNAME
OIL SPRINGS

FIELD TOTALS

TXO PRODUCTION CORP
SAN ARROYO
GRAND
ARCO FEDERAL "B" #1
6-16S-25E
43-019-30552
ARCO FEDERAL "B" #2
06-16S-25E
43-019-31008
FEDERAL #42-8
08-16S-25E
43-019-31035
ARCO FEDERAL #H-1
12-16S-25E
43-019-31002
GRYNBERG FEDERAL #1
28-16S-25E
43-019-30657
NICOR FEDERAL #1
28-16S-25E
43-019-30656
TXO-ARCO-FEDERAL "D" #1
34-16S-25E
43-019-30578
TXO-VALENTINE FEDERAL #2
34-16S-25E
43-019-30640
TXO-ARCO FEDERAL "C" #1
35-16S-25E
43-019-30572
TXO-VALENTINE FEDERAL #1
35-16S-25E
43-019-30639
VALENTINE FEDERAL #3
35-16S-25E
43-019-31009
TEXAS PACIFIC STATE #1
36-16S-25E
43-019-30634

OPERATOR
FIELD
COUNTY
WELLNAME

TXO PRODUCTION CORP
SAN ARROYO
GRAND
TEXAS PACIFIC STATE #2
36-16S-25E
43-019-30670
HARVEY-FEDERAL #1-X
5 -16S-25E
43-019-30574
BMG FEDERAL "A" #1
08-16S-26E
43-019-31031
MOXA-FEDERAL #1
09-16S-26E
43-019-30698
BNT FEDERAL #1
27-17S-24E
43-019-30995

COUNTY TOTALS

FIELD TOTALS

TXO PRODUCTION CORP
UNDESIGNATED
GRAND
BAUMGARTNER FEDERAL #2
25-16S-24E
43-019-30841
CREDO FEDERAL "A" #2
06-16S-26E
43-019-30854
MOXA FEDERAL "A"-#1
4 -16S-26E
43-019-30792
CREDO FEDERAL "A" #1
5 -16S-26E
43-019-30798

OPERATOR
FIELD
COUNTY
WELLNAME

TXO PRODUCTION CORP
UNDESIGNATED
GRAND
CREDO FEDERAL #1
5 -16S-26E
43-019-30797
BAILEY FEDERAL #1
09-17S-23E
43-019-30708
PTASYNSKI FEDERAL #1
15-17S-23E
43-019-30780
HOUGEN FEDERAL "A" #1
14-17S-24E
43-019-30799

COUNTY TOTALS

TXO PRODUCTION CORP
UNDESIGNATED
UINTAH
EVACUATION CREEK STATE #1
36-11S-25E
43-047-31307
ASPHALT CREEK FEDERAL #1
10-12S-24E
43-047-31057
MEADOW CREEK #1
31-15S-22E
43-047-31094
DUNCAN FEDERAL #3
28-15S-23E
43-047-31058
DUNCAN FEDERAL #1
29-15S-23E
43-047-30963
DUNCAN FEDERAL #2
29-15S-23E
43-047-31059
DUNCAN #4
33-15S-23E
43-047-31060

OPERATOR
FIELD
COUNTY
WELLNAME
EAST CANYON

FIELD TOTALS

TXO PRODUCTION CORP
FENCE CANYON
UINTAH
SQUIER #1
31-15S-23E
43-047-31005

COUNTY TOTALS

FIELD TOTALS

TXO PRODUCTION CORP
OIL SPRINGS
UINTAH
OIL CREEK STATE #1
02-12S-24E
43-047-31314
OIL SPRINGS UNIT #
03-12S-24E
43-047-31255
OIL SPRINGS UNIT #
04-12S-24E
43-047-31248
OIL SPRINGS UNIT #
4 -12S-24E
43-047-15928
OIL SPRINGS UNIT #
5 -12S-24E
43-047-15930

COUNTY TOTALS

OPERATOR
 FIELD
  COUNTY
   WELLNAME

TEXAS OIL & GAS CORPORA
 SAN ARROYO
  GRAND
   BENNION FEDERAL #1
     30-16S-25E
     43-019-30893

  COUNTY TOTALS

  FIELD TOTALS

TEXAS OIL & GAS CORPORA
 UNDESIGNATED
  GRAND
   WALL FEDERAL #1
     30-16S-25E
     43-019-30838
   HANCOCK FEDERAL #2
     5 -17S-25E
     43-019-30833
   MORMAC FEDERAL #1-14
     14-22S-16E
     43-019-30817

  COUNTY TOTALS

TEXAS OIL & GAS CORPORA
 UNDESIGNATED
  UINTAH
   ASPHALT CREEK FEDERAL #2
     10-12S-24E
     43-047-31056

  COUNTY TOTALS

TXO PRODUCTION CORP — 7228 — APR 01, 1984
PAGE 1

THE FOLLOWING METERS WILL HAVE CALIBRATION / SETTLEMENT TESTS RUN ON THE DATES INDICATED. STARTING TIME WILL BE 0600 OR AS SPECIFIED BELOW AND AT THE OFFICE OF THE NORTHWEST PIPELINE GRAND JUNCTION DISTRICT YOU WILL BE NOTIFIED SHOULD ANY CHANGES OCCUR IN THIS SCHEDULE. IF YOU HAVE ANY QUESTIONS ABOUT THE SCHEDULE, CONTACT OR WRITE THE DISTRICT OFFICE.

METER CODE	WELL NAME	LOC	RUN	DAY	MO/YR	STARTING TIME
92194019	MOXA FEDERAL #1 16S. 24E. 9	06	02	2	10/85	0800
92313018	BMG FEDERAL #1 16S. 24E. 8	06	02	5	11/85	0800
92232018	MOXA FEDERAL A #1 16S. 24E. 4	06	02	12	12/85	0800
92237010	CREDO FEDERAL #1 16S. 24E. 5	06	02	12	12/85	0930
92239012	CREDO FEDERAL A #1 16S. 24E. 5	06	02	12	12/85	1100
92192016	BAILEY FEDERAL #1 17S. 23E. 9	06	03	13	11/85	0900
92331016	LITTLE BERRY STATE #1 16S. 23E. 2	06	03	12	11/85	1100
92265011	PTASYNSKI FEDERAL #1 17S. 23E. 15	06	03	13	12/85	1000
92258017	SQUIER #1 15S. 23E. 31	06	03	17	12/85	1000
92347010	CISCO SPRINGS A #1 20S. 23E. 9	06	05	12	11/85	1000
92348016	CISCO SPRINGS B #1 20S. 23E. 15	06	05	12	11/85	1100
92026019	BOCK CLIFFS UNIT #3 18S. 22E. 33	06	05	—	12/85	CODE 84
92298019	WALL FEDERAL #1 16S. 25E. 30	06	07	13	11/85	0900
92310019	LAUCK FEDERAL A #1 16S. 25E. 29	06	07	7	11/85	1030
92261018	BENNION FEDERAL #1 16S. 25E. 30	06	07	9	12/85	1130
92303012	HOUGEN FEDERAL A #1 17S. 24E. 14	06	07	10	12/85	1030
92126013	TEXAS PACIFIC STATE #1 16S. 25E. 36	06	12	7	11/85	0800
92154017	TEXAS PACIFIC STATE #2 16S. 25E. 36	06	12	7	11/85	0900

Texas Oil .

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR
TXO Production Corp.

3. ADDRESS OF OPERATOR
1800 Lincoln Center Building

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 22' FSL and 414' FWL,
AT SURFACE: Sec. 9-T16S-R26E
AT TOP PROD. INTERVAL: 2000' FSL and 920' FWL
AT TOTAL DEPTH: 2200' FSL and 1000' FWL

5. LEASE
U-24638

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
---

7. UNIT AGREEMENT NAME
---

8. FARM OR LEASE NAME
Moxa Federal

9. WELL NO.
#1

10. FIELD OR WILDCAT NAME
San Arroyo Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 9-T16S-R26E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5778' GR at surface location

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐		☐
FRACTURE TREAT	☐		☐
SHOOT OR ACIDIZE	☐		☐
REPAIR WELL	☐		☐
PULL OR ALTER CASING	☐		☐
MULTIPLE COMPLETE	☐		☐
CHANGE ZONES	☐		☐
ABANDON*	☐		☐
(other) Operator Name Change			

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Effective September 1, 1981, the exploration and production activities of Texas Oil & Gas Corp. have been reorganized into a new corporate branch, TXO Production Corp. As a consequence, the opertor name for this well is changed to "TXO Production Corp.", as indicated above in Item 2.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles K. Curlee TITLE ~~Environmental Adm.~~ DATE _____
Charles K. Curlee

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

43019306 98

UTAH
NATURAL RESOURCES
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. ● (801-538-5340)

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

● TXO PRODUCTION CORP.
P. O. BOX 2690
CODY WY 82414
ATTN: R. P. MEABON

Utah Account No. N1580

Report Period (Month/Year) 12 / 90

Amended Report ☐

Well Name API Number Entity Location	Producing Zone	Days Oper	Production Volume Oil (BBL)	Gas (MSCF)	Water (BBL)
ARCO FEDERAL D-1 U-29645 4301930578 06690 16S 25E 34	DKTA ✓				
EVACUATION CREEK #1 ML-39868 4304731307 06691 11S 25E 36	BUKHN ✓				
CRACKER FED. #1 U-54197 4304731532 06693 11S 23E 8	WSTC ✓				
CRACKER FEDERAL #2 U-54197 4304731690 06694 11S 23E 8	WSTC ✓				
TEXAS PACIFIC ST 1 ML-4468A 4301930634 06695 16S 25E 36	DKTA ✓				
VALENTINE FED 1 U-38276 4301930639 06700 16S 25E 35	DKTA ✓				
VALENTINE FEDERAL 2 U-38276 4301930640 06705 16S 25E 34	DKTA ✓				
TEXAS PACIFIC ST 2 ML-4468A 4301930670 06710 16S 25E 36	DKTA ✓				
BRIDLE FEDERAL #1 U-47866 4304731533 06711 06S 22E 34	UNTA ✓				
BRIDLE FEDERAL #2 U-47866 4304731655 06712 06S 22E 34	UNTA ✓				
BRIDLE FEDERAL 3 U-47866 4304731678 06713 06S 22E 34	UNTA ✓				
MOXA FEDERAL 1 U-24638 4301930698 06715 16S 26E 9	DKTA ✓				
PTASYNSKI FEDERAL 1 U-24603-A 4301930780 06725 17S 23E 15	DKTA ✓				
	TOTAL				

Comments (attach separate sheet if necessary) _____

I have reviewed this report and certify the information to be accurate and complete. Date _____

_____ Telephone _____
Authorized signature

PLEASE COMPLETE FORMS IN BLACK INK

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:
1- LCR
2- DTS
3- VLC
4- RJF
5- RWM
6- LCR

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

XXX Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-91)

TO (new operator)	MARATHON OIL COMPANY	FROM (former operator)	TXO PRODUCTION CORP.
(address)	P. O. BOX 2690	(address)	P. O. BOX 2690
	CODY, WY 82414		CODY, WY 82414
	phone (307) 587-4961		phone (307)587-4961
	account no. N 3490		account no. N1580

Well(s) (attach additional page if needed): ***MERGER***

Name: **SEE ATTACHED**	API:	Entity:	Sec Twp Rng	Lease Type:	
Name:	API:	Entity:	Sec Twp Rng	Lease Type:	
Name:	API:	Entity:	Sec Twp Rng	Lease Type:	
Name:	API:	Entity:	Sec Twp Rng	Lease Type:	
Name:	API:	Entity:	Sec Twp Rng	Lease Type:	
Name:	API:	Entity:	Sec Twp Rng	Lease Type:	
Name:	API:	Entity:	Sec Twp Rng	Lease Type:	

OPERATOR CHANGE DOCUMENTATION

N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (see documentation)

Lee 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec. 1-24-91)

N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: ____.

Lee* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.

Lee 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (2-26-91)

Lee 6. Cardex file has been updated for each well listed above.

Lee 7. Well file labels have been updated for each well listed above.

Lee 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.

Lee 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

- OVER -

TITY REVIEW

LM 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).

N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

ND VERIFICATION (Fee wells only)

N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. (Federal & State wells only!)

(upon completion of routing)

LM 2. A copy of this form has been placed in the new and former operators' bond files.

LM 3. The former operator has requested a release of liability from their bond (yes/no) Yes. Today's date February 27, 1991. If yes, division response was made by letter dated March 1, 1991.

ASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19___, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

LM 2. Copies of documents have been sent to State Lands for changes involving State leases.
Sent 3-5-91

LMING

RWM 1. All attachments to this form have been microfilmed. Date: March 11 1991.

LING

F 1. Copies of all attachments to this form have been filed in each well file.

2. The original of this form and the original attachments have been filed in the Operator Change file.

MENTS

910204 Btm/Moab ~~No doc. as of yet~~. (In the process of changing) Will call when approved.
Btm/S.L. Book Cliffs Unit, Oil Springs Unit, Marble Mansion Unit (Not approved as of yet)
910204 St. Lands - No documentation as of yet. (Copy hand delivered 2-8-91) fax
910222 Btm/S.L. - Approved 2-20-91 - ok for DOGM to recognize eff. date 1-1-91. (T. Thompson)
910226 St. Lands - Needs additional info. "will take 2-3 weeks". (Proceed with change per DTS)

1/34-35

DOGM - FYI - FROM Connie LARSON - TAX COMMISSION

Tax C[illegible]liance Division

Marathon Oil Company

Findlay, Ohio 45840
Telephone 419/422-2121

January 23, 1991

N1580

TO WHOM IT MAY CONCERN:

Effective immediately after the close of business on December 31, 1990, TXO Production Corporation, taxpayer I.D. 75-1710388, a Delaware Corporation, was merged into Marathon Oil Company, taxpayer I.D. 25-1410539.

Following the merger, all business activity previously conducted by TXO Production Corporation will be conducted by and under the name of Marathon Oil Company.

Marathon Oil Company
Tax Organization

GRL:pah
GRL100T

RECD USTC P.R.
FEB 14 1991

Send A COPY to DOGM 2-21-91

A subsidiary of USX Corporation

Copy sent to Master File Maint

Rocky Mountain Region
Production United States

P.O. Box 2690
Cody, Wyoming 82414
Telephone 307/587-4961

RECEIVED
JAN 24 1991
DIVISION OF
OIL, GAS & MINING

Marathon Oil Company

January 22, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

UTAH DIVISION OF OIL, GAS & MINING
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203
Attention: State Director

Re: The Merger of TXO Production Corp. into
Marathon Oil Company

Gentlemen:

As Marathon Oil Company advised in its October 8, 1990 letter, TXO Production Corp., a Delaware corporation ("TXO") was being merged into Marathon Oil Company, an Ohio corporation ("Marathon"), on or before January 1, 1991. As stated in the October letter, before this merger, both TXO and Marathon were subsidiaries of USX Corporation.

Effective January 1, 1991, TXO was merged into Marathon, with Marathon becoming the surviving corporation, as evidenced by the enclosed Certificate of Merger signed by the Secretary of State for the State of Ohio. Due to this statutory merger, by operation of law, Marathon, as the surviving entity, has succeeded to all of the assets, property, rights, privileges, power and authority, and has assumed all obligations and liabilities of TXO which existed on the date of the merger.

Marathon requests that your records and filings be changed to reflect this merger, including making any appropriate change in your operator or ownership records. For the purposes of any change, mailing or notification, please substitute the following address and phone number for TXO:

Marathon Oil Company
Attention: Mr. R. P. Meabon
1501 Stampede Avenue
P. O. Box 2690
Cody, WY 82414
(307) 587-4961

Any bond in the name of TXO should be cancelled and all wells and properties shown on the attached Exhibit "A" should be placed on Marathon's statewide bond for the state of Utah.

Marathon respectfully requests that you acknowledge your receipt of this letter by signing the enclosed duplicate original of this letter in the space provided below, and returning it to me in the self-addressed, stamped envelope provided. Also, please provide Marathon with confirmation of the bond cancellations in accordance with the substitution requested above.

Marathon appreciates your patience and cooperation in this matter, and if Marathon can be of any further assistance, please feel free to contact this office.

Sincerely,

R P Meabon

R. P. Meabon
Regulatory Coordinator
Rocky Mountain Region
Extension 3003

RPM:mh

Attachments

RECEIVED AND ACCEPTED THIS _____ DAY OF _____, 1991, BY:

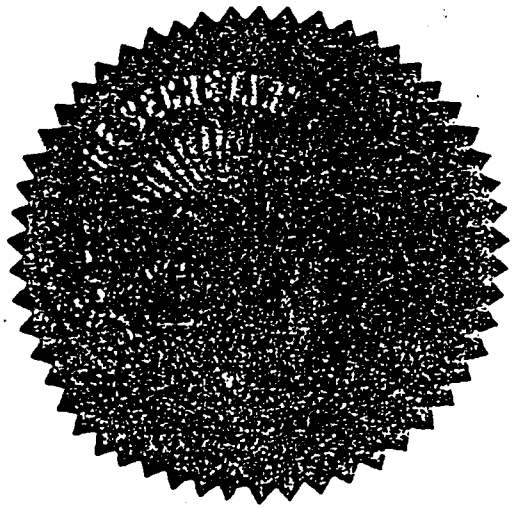
_____
[Governmental Agency or Department]

By_____
Name_____
Its_____
Title

UNITED STATES OF AMERICA,
STATE OF OHIO,
OFFICE OF THE SECRETARY OF STATE.

I, Sherrod Brown

do hereby certify that I am the duly elected, qualified and present acting Secretary of State for the State of Ohio, and as such have custody of the records of Ohio and Foreign corporations; that said records show an AGREEMENT OF MERGER of **MARATHON PETROLEUM COMPANY**, an Ohio corporation, Charter No. 7265, having its principal location in Findlay, County of Hancock, and incorporated on August 1, 1887, and **TXO PRODUCTION CORP.**, a Delaware corporation, having qualified to do business within the State of Ohio on November 2, 1983, under License No. 623328, into **MARATHON OIL COMPANY**, an Ohio corporation, Charter No. 584981, the survivor of said Merger, filed in this office on December 24, 1990, recorded in the Records of Incorporation. Said surviving corporation, **MARATHON OIL COMPANY**, an Ohio corporation, Charter No. 584981, having its principal location in Findlay, County of Hancock, was incorporated on November 18, 1981 and is currently in **GOOD STANDING** upon the records of this office.



WITNESS my hand and official seal at
Columbus, Ohio, this
28th *day of* December, *A.D.19* 90

Sherrod Brown
Sherrod Brown
Secretary of State

SEC 3000

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-LEC	7-LEC
2-DTS/TS	
3-VLC ✓	
4-RJF ✓	
5-RWM ✓	
6-ADA ✓	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 2-22-93)

TO (new operator)	LONE MTN PRODUCTION CO
(address)	PO BOX 3394
	BILLINGS MT 59103-3394
phone	(406) 245-5077
account no.	N 7210

FROM (former operator)	MARATHON OIL COMPANY
(address)	PO BOX 2690
	CODY WY 82414
phone	(307) 587-4961
account no.	N 3490

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:

OPERATOR CHANGE DOCUMENTATION

lec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 2-25-93)

lec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 2-25-93)

N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.

lec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.

lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (3-16-93)

lec 6. Cardex file has been updated for each well listed above. (3-16-93)

lec 7. Well file labels have been updated for each well listed above. (3-16-93)

lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (3-16-93)

lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

- OVER -

OR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.

ITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).

N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

OND VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.

2. A copy of this form has been placed in the new and former operators' bond files.

3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19___.

EASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19___, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

2. Copies of documents have been sent to State Lands for changes involving **State leases**.
3/17/93 to Ed Bonner

FILMING

1. All attachments to this form have been microfilmed. Date: March 25 1993.

FILING

1. Copies of all attachments to this form have been filed in each well file.

2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

930316 Bfm/Moab Approved 3-10-93 eff. 2-22-93.
(other wells will be handled on a separate change - partial change only!)
St. Lease wells also being chg'd at this time.

LONE MOUNTAIN PRODUCTION COMPANY
P.O. BOX 3394
408 PETROLEUM BUILDING
BILLINGS, MONTANA 59103-3394
(406) 245-5077
FAX 248-6321

February 22, 1993

State of Utah
Dept. of Natural Resources
Division of Oil, Gas, & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

Re: Change of Operator
Sundry Notices
Grand and Uintah Counties, Utah

Gentlemen:

Enclosed in triplicate are Sundry Notices for 53 wells located on Federal lands in Utah for which Lone Mountain Production Company is assuming operations effective February 22, 1993. Two separate lists of the wells and lease numbers, by sorted by BLM district, are attached. The wells were all previously operated by Marathon Oil Company. If any further information is needed please advise either me or Joe Dyk in our Grand Junction office.

Very truly yours,

Lone Mountain Production Company

James G. Routson

James G. Routson
President

Enclosures

xc: Joe Dyk
Marathon

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED
FEB 25 1993
DIVISION OF
OIL GAS & MINING

5. Lease Designation and Serial No.: U-24638

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA, Agreement Designation:

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.: Moxa Fed. No. 1

2. Name of Operator: Lone Mountain Production Company

9. API Well No.: 43-019-30698

3. Address and Telephone No.: P.O. Box 3394, Billings, MT 59103

10. Field and Pool, or Exploratory Area: San Arroyo

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 22' FSL, 414' FWL, Sec. 9-T16S-R26E (SW¼ SW¼)

11. County or Parish, State: Grand County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other Change of Operator	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Lone Mountain Production Company has assumed operations of the above referenced well effective February 22, 1993. The former operator was Marathon Oil Company.

Bond Coverage is provided by Lone Mountain's Statewide Oil & Gas BLM Bond No. UT0719.

Field Operations will be handled by our Grand Junction office.

14. I hereby certify that the foregoing is true and correct

Signed [signature] Title Petroleum Engineer Date Feb. 22, 1993

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

	5. LEASE DESIGNATION & SERIAL NO.: See Below
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. OIL WELL ☐ GAS WELL ☐ OTHER	7. UNIT AGREEMENT NAME:
2. NAME OF OPERATOR: Marathon Oil Company	8. FARM OR LEASE NAME: See Below
3. ADDRESS OF OPERATOR: P.O. Box 2690, Cody, Wyoming 82414	9. WELL NO.: See Below
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface / At proposed prod. zone: See Below	10. FIELD AND POOL, OR WILDCAT: See Below
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: See Below
14. API NO.: See Below	15. ELEVATIONS (Show whether DF, RT, GR, etc.)
	12. COUNTY: Grand and Uintah
	13. STATE: Utah

RECEIVED
FEB 25 1993
DIVISION OF OIL GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			
APPROX. DATE WORK WILL START				DATE OF COMPLETION			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

On 2/22/93 with an effective date of October 1, 1992, Marathon Oil Company sold all of its rights, title and interests shown on Exhibit 'A' and 'B' to:

Lone Mountain Production Company
P.O. Box 3394, 408 Production Building
Billings, Montana 59103-3394

By copy of this sundry notice to Lone Mountain Production Company, Marathon is advising that Lone Mountain Production Company is resposible for operating these leases and wells within the federal and state rules and regulations.

Utah O&G--cc: WRF,RDS,CLB,RPM,KJI,TITLE AND CONTR(HOU),ACCTG.,CFR,LONE MTN. PROD.

18. I hereby certify that the foregoing is true and correct

SIGNED R.P. Meabon RPMeabon TITLE Regulatory Coordinator DATE 2/23/93

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

(3/89)

List of Properties sold by Marathon Oil Company to Lone Mountain Production Company, P.O. Box 3394, 408 Petroleum Building, Billings, Montana 59103-3394

WELL	LOCATION	LEASE	API #
North Horse Point Field			
Little Berry State #1	SW/4 SW/4,Sec. 2-16S-23E	ML-21061	043-019-31075
BAR X West Field			
Hancock Federal #2	NW/4 SW/4,Sec. 5-17S-25E	U-38720	043-019-30833
Bryson Canyon Field			
Hougen Federal A#1- St #1	SW/4 SW/4 Sec.14-17S-24E	U-42480	043-019-30799
TXO Pogo USA #19-9	NE/4 SE/4,Sec. 15-17S-24E	U-49535	043-019-30779
East Canyon Field			
Callister Federal #1	NW/4 SE/4 Sec. 24-16S-24E	U-38363	043-019-30857
Ptasynski Federal #1	NE/4 NW/4 Sec. 15-17S-23E	U-24603-A	043-019-30780
Horseshoe Bend Field			
Bridle Federal #1	SW/4 SW/4 Sec. 34-6S-22E	U-47866	043-047-31533
Bridle Federal #2	NE/4 SE/4 Sec. 34-6S-22E	U-47866	043-047-31655
Bridle Federal #3	SE/4 NE/4 Sec. 34-6S-22E	U-47866	043-047-31678
Bridle Federal #4	SE/4 NE/4 Sec. 34-6S-22E	U-47866	043-047-31866
Croquet Federal #1	SE/4 NE/4 Sec. 35-6S-21E	U-53862	043-047-31440
Croquet Federal #2	NE/4 SE/4 Sec. 35-6S-21E	U-53862	043-047-31672
Croquet Federal #3	NE/4 NW/4 Sec. 35-6S-21E	U-53862	043-047-31867
Football Fed #29-4	SE/4 SW/4 Sec. 29-6S-21E	U-46699	043-047-31883
Shuffleboard Fed #1	NE/4 NE/4 Sec. 27-6S-21E	U-31255	043-047-31668
Stirrup Fed. #28-1	NW/4 SW/4 Sec. 28-6S-21E	U-34711	043-047-31571
Stirrup Fed. #29-2	NW/4 SE/4 Sec. 29-6S-21E	U-46699	043-047-31508
Stirrup Fed. #29-3	SE/4 SE/4 Sec. 29-6S-21E	U-46699	043-047-31634
Stirrup State #32-1	NW/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31557
Stirrup State #32-2	SE/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31626
Stirrup State #32-4	NW/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31648
Rockhouse Field			
Cracker Fed. #1	SE/4 NE/4 Sec. 8-11S-23E	U-54197	043-047-31532
Cracker Fed. #2	SE/4 SE/4 Sec. 8-11S-23E	U-54197	043-047-31690
Cracker Fed. #3	SW/4 SE/4 Sec. 5-11S-23E	U-54193	043-047-31689
Cracker Fed. #4	SE/4 NE/4 Sec. 7-11S-23E	U-54196	043-047-31748
Marble Mansion #1	SE/4 SE/4 Sec. 18-11S-23E	U-54201	043-047-31865
Wells Fed. A #1	SW/4 SE/4 Sec. 12-11S-23E	U-54198	043-047-31603

San Arroyo Field

Arco Fed. B #1	SE/4 SE/4 Sec. 6-16S-25E	U-9831	043-019-30552
Arco Fed. C #1	NW/4 NW/4 Sec. 35-16S-25E	U-06188-B	043-019-30572
Arco Fed. D #1	NE/4 SE/4 Sec. 34-16S-25E	U-29645	043-019-30578
Arco Fed. H #1	NW/4 SW/4 Sec. 12-16S-25E	U-0126528	043-019-31002
Bennion Fed. #1	NE/4 NW/4 Sec. 30-16S-25E	U-24632	043-019-30893
BMG Fed. #1	NE/4 NW/4 Sec. 8-16S-26E	U-05015	043-019-31017
BMG Fed. #2	SW/4 SW/4 Sec. 8-16S-26E	U-05015	043-019-31108
BMG Fed. #3	SW/4 SW/4 Sec. 8-16S-26E	U-05015-A	043-019-31114
BMG Fed. #4	NW/4 NW/4 Sec. 17-16S-26E	U-05015-A	043-019-31130
BMG Fed. #5	NW/4 SW/4 Sec. 8 -16S-26E	U-05015-A	043-019-31131
BMG Fed. #7	NW/4 SE/4 Sec. 17-16S-26E	U-05015-A	043-019-31183
Bookcliffs #1	SE/4 SE/4 Sec. 32-18S-22E	U-036905	043-019-15410
Bookcliffs #3	SW/4 NE/4 Sec. 33-18S-22E	U-036905	043-019-15411
Credo Fed. #1	NE/4 SE/4 Sec. 5-16S-26E	U-24638	043-019-30797
Credo Fed. A #1	SE/4 NW/4 Sec. 5-16S-26E	U-24638	043-019-30798
Grynberg Fed. #1	NE/4 SW/4 Sec. 28-16S-25E	U-13653	043-019-30657
Harvey Fed. #1-X	SW/4 SE/4 Sec. 5-16S-25E	U-10427	043-019-30574
Lauck Fed. A #1	SE/4 SE/4 Sec. 29-16S-25E	U-34033	043-019-30990
Lauck Fed. #2	NW/4 SW/4 Sec. 29-16S-25E	U-34033	043-019-31109
Moxa Fed. #1	SW/4 SW/4 Sec. 9-16S-26E	U-24638	043-019-30698
Moxa Fed. A #1	NE/4 SE/4 Sec. 4 16S-26E	U-24638	043-019-30792
Nicor Fed. #1	NW/4 NE/4 Sec. 28-16S-25E	U-31807	043-019-30656
Nicor Fed. #2	NW/4 NE/4 Sec. 33-16S-25E	U-13653	043-019-31020
Texas Pac St #1	NW/4 SE/4 Sec. 36-16S-25E	ML-4468-A	043-019-30634
Texas Pac St #2	SW/4 SW/4 Sec. 36-16S-25E	ML-4468-A	043-019-30670
Valentine Fed. #1	SE/4 SW/4 Sec. 35-16S-25E	U-38276	043-019-30639
Valentine Fed. #2	SE/4 NW/4 Sec. 34-16S-25E	U-38276	043-019-30640
Valentine Fed. #3	SE/4 SW/4 Sec. 35-16S-25E	U-38276	043-019-31009
Wall Fed. #1	NE/4 SW/4 Sec. 30-16S-25E	U-24632	043-019-30838

Oil Springs Field

Oil Springs #5	NE/4 SW/4 Sec. 5-12S-24E	U-08424-A	043-047-15930
Oil Springs #7	SE/4 SW/4 Sec. 4-12S-24E	U-08424-A	043-047-31248
Oil Springs #10	NE/4 NE/4 Sec. 5-12S-24E	U-08424-A	043-047-31656

Evacuation Creek Field

Evacuation Creek State A #1	NE/4 NE/4 Sec. 2-12S-25E	ML-28043	043-047-31674
Evacuation Cr.#23-2-1	NE/4 SW/4 Sec. 2-12S-25E	ML-28043	043-047-15675
Evacuation Creek State #1	SE/4 SW/4 Sec. 36-11S-25E	ML-39868	043-047-31307

UTAH FEDERAL WELLS

MOAB BLM DISTRICT

WELL	LEASE NO.	LOCATION
Bookcliffs Unit No. 1	U-036905	SE¼ SE¼ Sec. 32-T18S-R22E
Bookcliffs Unit No. 3	U-036905	Sw¼ NE¼ Sec. 33-T18S-R22E
Hancock Fed. No. 2	U-38720	NW¼ SW¼ Sec. 5-T17S-R25E
Hougen Fed. No. A-1	U-42480	SW¼ SW¼ Sec. 14-T17S-R24E
TXO-POGO-USA No. 15-9	U-49535	NE¼ SE¼ Sec. 15-T17S-R24E
Callister Fed. No. 1	U-38363	NW¼ SE¼ Sec. 24-T16S-R24E
Ptasynski Fed. No. 1	U-24603-A	NE¼ NW¼ Sec. 15-T17S-R23E
Arco Fed. B No. 1	U-9831	SE¼ SE¼ Sec. 6-T16S-R25E
Arco Fed. C No. 1	U-06188-B	NW¼ NW¼ Sec. 35-T16S-R25E
Arco Fed. D No. 1	U-29645	NE¼ SE¼ Sec. 34-T16S-R25E
Arco Fed. H No. 1	U-0126528	NW¼ SW¼ Sec. 12-T16S-R25E
Grynberg Fed. No. 1	U-13653	NE¼ SW¼ Sec. 28-T16S-R25E
Lauck Fed. A No. 1	U-34033	SE¼ SE¼ Sec. 29-T16S-R25E
Lauck Fed. No. 2	U-34033	NW¼ SW¼ Sec. 29-T16S-R25E
Nicor Fed. No. 1	U-31807	NW¼ NE¼ Sec. 28-T16S-R25E
Nicor Fed. No. 2	U-13653	NW¼ NE¼ Sec. 33-T16S-R25E
Valentine Fed. No. 1	U-38276	SE¼ SW¼ Sec. 35-T16S-R25E
Valentine Fed. No. 2	U-38276	SE¼ NW¼ Sec. 34-T16S-R25E
Valentine Fed. No. 3	U-38276	SE¼ SW¼ Sec. 35-T16S-R25E
Wall Fed. No. 1	U-24632	NE¼ SW¼ Sec. 30-T16S-R25E
Bennion Fed. No. 1	U-24632	NE¼ NW¼ Sec. 30-T16S-R25E
Harvey Fed. No. 1-X	U-10427	Sw¼ SE¼ Sec. 5-T16S-R25E

UTAH FEDERAL WELLS

MOAB BLM DISTRICT

WELL	LEASE NO.	LOCATION
BMG Fed. No. 1	U-05015	NE¼ NW¼ Sec. 8-T16S-R26E
BMG Fed. No. 2	U-05015	SW¼ SW¼ Sec. 8-T16S-R26E
BMG Fed. No. 3	U-05015-A	SW¼ SW¼ Sec. 8-T16S-R26E
BMG Fed. No. 4	U-05015-A	NW¼ NW¼ Sec. 17-T16S-R26E
BMG Fed. No. 5	U-05015-A	NW¼ SW¼ Sec. 18-T16S-R26E
BMG Fed. No. 7	U-05015-A	NW¼ SE¼ Sec. 17-T16S-R26E
Credo Fed. No. 1	U-24638	NE¼ SE¼ Sec. 5-T16S-R26E
Credo Fed. A No. 1	U-24638	SE¼ NW¼ Sec. 5-T16S-R26E
Moxa Fed. No. 1	U-24638	SW¼ SW¼ Sec. 9-T16S-R26E
Moxa Fed. A No. 1	U-24638	NE¼ SE¼ Sec. 4-T16S-R26E

UTAH FEDERAL WELLS

VERNAL BLM DISTRICT

WELL	LEASE NO.	LOCATION
Shuffleboard Fed. No. 1	U-31255	NE¼ NE¼ Sec. 27-T6S-R21E
Stirrup Fed. No. 28-1	U-34711	NW¼ SW¼ Sec. 28-T6S-R21E
Stirrup Fed. No. 29-2	U-46699	NW¼ SE¼ Sec. 29-T6S-R21E
Stirrup Fed. No. 29-3	U-46699	SE¼ SE¼ Sec. 29-T6S-R21E
Football Fed. No. 29-4	U-46699	SE¼ SW¼ Sec. 29-T6S-R21E
Croquet Fed. No. 1	U-53862	SE¼ NE¼ Sec. 35-T6S-R21E
Croquet Fed. No. 2	U-53862	NE¼ SE¼ Sec. 35-T6S-R21E
Croquet Fed. No. 3	U-53862	NE¼ NW¼ Sec. 35-T6S-R21E
Bridle Fed. No. 1	U-47866	SW¼ SW¼ Sec. 34-T6S-R22E
Bridle Fed. No. 2	U-47866	NE¼ SE¼ Sec. 34-T6S-R22E
Bridle Fed. No. 3	U-47866	SW¼ NW¼ Sec. 34-T6S-R22E
Bridle Fed. No. 4	U-47866	SE¼ NE¼ Sec. 34-T6S-R22E
Cracker Fed. No. 1	U-54197	SE¼ NE¼ Sec. 8-T11S-R23E
Cracker Fed. No. 2	U-54197	SE¼ SE¼ Sec. 8-T11S-R23E
Cracker Fed. No. 3	U-54193	SW¼ SE¼ Sec. 5-T11S-R23E
Cracker Fed. No. 4	U-54196	SE¼ NE¼ Sec. 7-T11S-R23E
Marble Mansion Unit #1	U-54201	SE¼ SE¼ Sec. 18-T11S-R23E
Wells Fed. A No. 1	U-54198	SW¼ SE¼ Sec. 12-T11S-R23E
Oil Springs Unit #5	U-08424-A	NE¼ SW¼ Sec. 5-T12S-R24E
Oil Springs Unit #7	U-08424-A	SE¼ SW¼ Sec. 4-T12S-R24E
Oil Springs Unit #10	U-08424-A	NE¼ NE¼ Sec. 5-T12S-R24E

UTAH STATE WELLS

WELL	LEASE NO.	LOCATION
Texas Pacific No. 1	ML-4468-A	NW¼ SE¼ Sec. 36-T16S-R25E Grand County
Texas Pacific No. 2	ML-4468-A	SW¼ SW¼ Sec. 36-T16S-R25E Grand County
Little Berry No. 1	ML-21061	SW¼ SW¼ Sec. 2-T16S-R23E Grand County
Evacuation Creek No. 1	ML-39868	SE¼ SW¼ Sec. 36.T11S-R25E Uintah County
Evacuation Creek A No. 1	ML-28043	NE¼ NE¼ Sec. 2-T12S-R25E Uintah County
Evacuation Creek 23-2-1	ML-28043	NE¼ SW¼ Sec. 2-T12S-R25E Uintah County
Stirrup No. 32-1	ML-22036	NW¼ NE¼ Sec. 32.T6S-R21E Uintah County
Stirrup No. 32-2	ML-22036	SE¼ NE¼ Sec. 32.T6S-R21E Uintah County
Stirrup No. 32-4	ML-22036	NW¼ NE¼ Sec. 32.T6S-R21E Uintah County

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Lone Mountain Production Company

3. Address and Telephone No.
P.O. Box 3394, Billings, MT 59103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
22' FSL, 414' FWL, Sec. 9-T16S-R26E
(SW¼ SW¼)

5. Lease Designation and Serial No.
U-24638

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Moxa Fed. No. 1

9. API Well No.
43-019-30698

10. Field and Pool, or Exploratory Area
San Arroyo

11. County or Parish, State
Grand County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other Change of Operator	☐ Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Lone Mountain Production Company has assumed operations of the above referenced well effective February 22, 1993. The former operator was Marathon Oil Company.

Bond Coverage is provided by Lone Mountain's Statewide Oil & Gas BLM Bond No. UT0719.

Field Operations will be handled by our Grand Junction office.

RECEIVED
MAR 15 1993
DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed [signature] Title Petroleum Engineer Date Feb. 22, 1993

(This space for Federal or State office use)

Approved by /s/ Brent Northrup Title ACTING Assistant District Manager for Minerals Date MAR 10 1993

Conditions of approval, if any:

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

doam

Lone Mountain Production Company
Well No. Moxa Fed. 1
SWSW Sec. 9, T. 16 S., R. 26 E.
Grand County, Utah
Lease U-24638

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Lone Mountain Production Company is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT0719 (Principal - Lone Mountain Production Company) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.